


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GMBU W-2-9-15				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT MONUMENT BUTTE				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-43538			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		546 FSL 2035 FWL		SESW	2	9.0 S	15.0 E	S		
Top of Uppermost Producing Zone		268 FSL 2446 FWL		SESW	2	9.0 S	15.0 E	S		
At Total Depth		100 FSL 2625 FEL		SWSE	2	9.0 S	15.0 E	S		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 100			23. NUMBER OF ACRES IN DRILLING UNIT 20				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1033			26. PROPOSED DEPTH MD: 6372 TVD: 6372				
27. ELEVATION - GROUND LEVEL 6053			28. BOND NUMBER B001834			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 350	24.0	J-55 ST&C	8.3	Class G	161	1.17	15.8
Prod	7.875	5.5	0 - 6372	15.5	J-55 LT&C	8.3	Premium Lite High Strength	302	3.26	11.0
							50/50 Poz	363	1.24	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Mandie Crozier				TITLE Regulatory Tech			PHONE 435 646-4825			
SIGNATURE				DATE 03/17/2011			EMAIL mcrozier@newfield.com			
API NUMBER ASSIGNED 43013506520000				APPROVAL  Permit Manager						

NEWFIELD PRODUCTION COMPANY
GMBU W-2-9-15
AT SURFACE: SE/SW SECTION 2, T9S, R15E
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1635'
Green River	1635'
Wasatch	6225'
Proposed TD	6372'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 1635' – 6225'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. **PROPOSED CASING PROGRAM**

a. **Casing Design: GMBU W-2-9-15**

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	350'	24.0	J-55	STC	2,950 15.02	1,370 12.30	244,000 29.05
Prod casing 5-1/2"	0'	6,372'	15.5	J-55	LTC	4,810 2.37	4,040 1.99	217,000 2.20

Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure – gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
 Pore pressure at surface casing shoe = 8.33 ppg
 Pore pressure at prod casing shoe = 8.33 ppg
 Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. **Cementing Design: GMBU W-2-9-15**

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	350'	Class G w/ 2% CaCl	161 188	30%	15.8	1.17
Prod casing Lead	4,372'	Prem Lite II w/ 10% gel + 3% KCl	302 985	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log

- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ± 350 feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ± 350 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 350' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +/- . A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

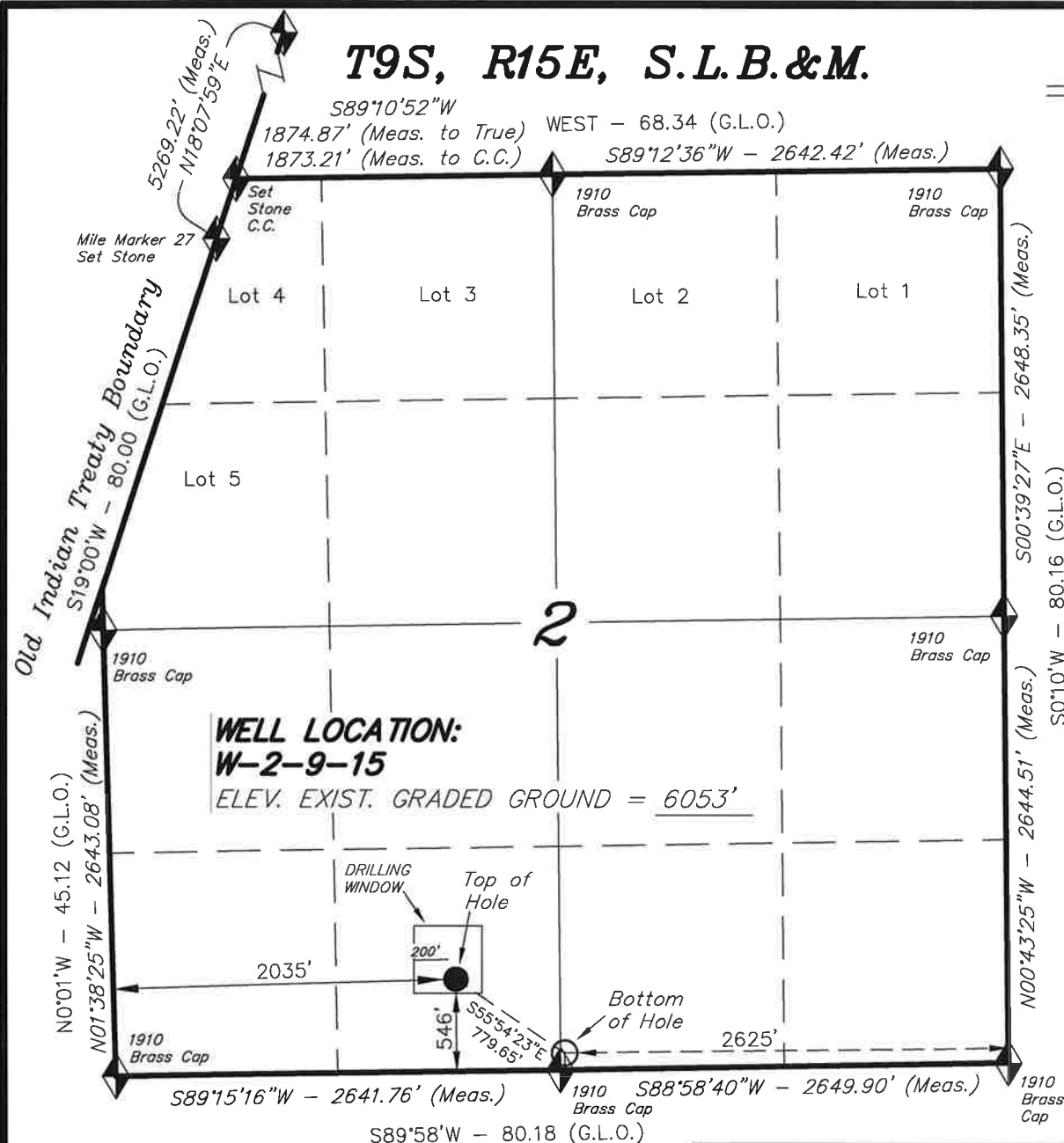
It is anticipated that the drilling operations will commence the second quarter of 2011, and take approximately seven (7) days from spud to rig release.

T9S, R15E, S.L.B.&M.

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, W-2-9-15, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, W-2-9-15, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



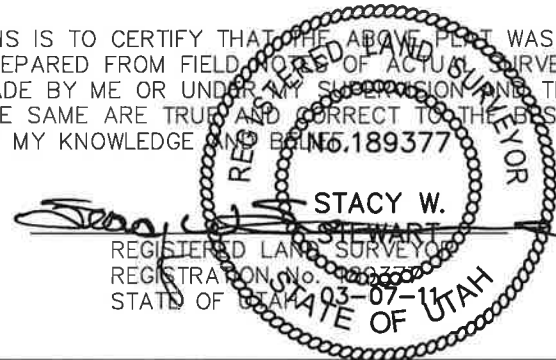
NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Bottom of Hole footages are 100' FSL & 2625' FEL.



= SECTION CORNERS LOCATED

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



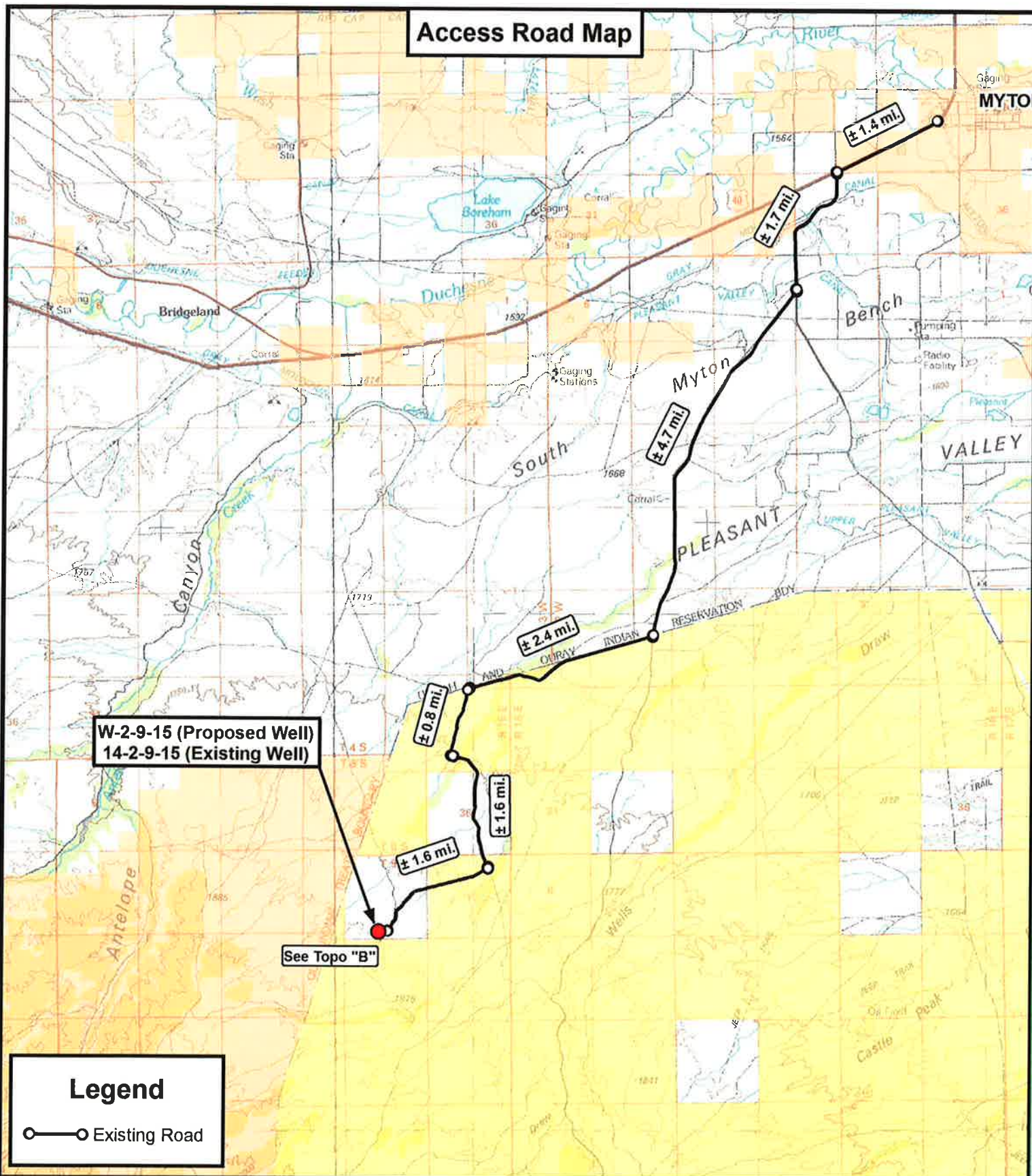
TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

W-2-9-15
(Surface Location) NAD 83
LATITUDE = 40° 03' 14.99"
LONGITUDE = 110° 12' 05.80"

DATE SURVEYED: 02-27-11	SURVEYED BY: S.V.
DATE DRAWN: 03-04-11	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



Tri State
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501
 F: (435) 781-2518



NEWFIELD EXPLORATION COMPANY

W-2-9-15 (Proposed Well)
 14-2-9-15 (Existing Well)
 SEC. 2, T9S, R15E, S.L.B.&M.
 Duchesne County, UT.

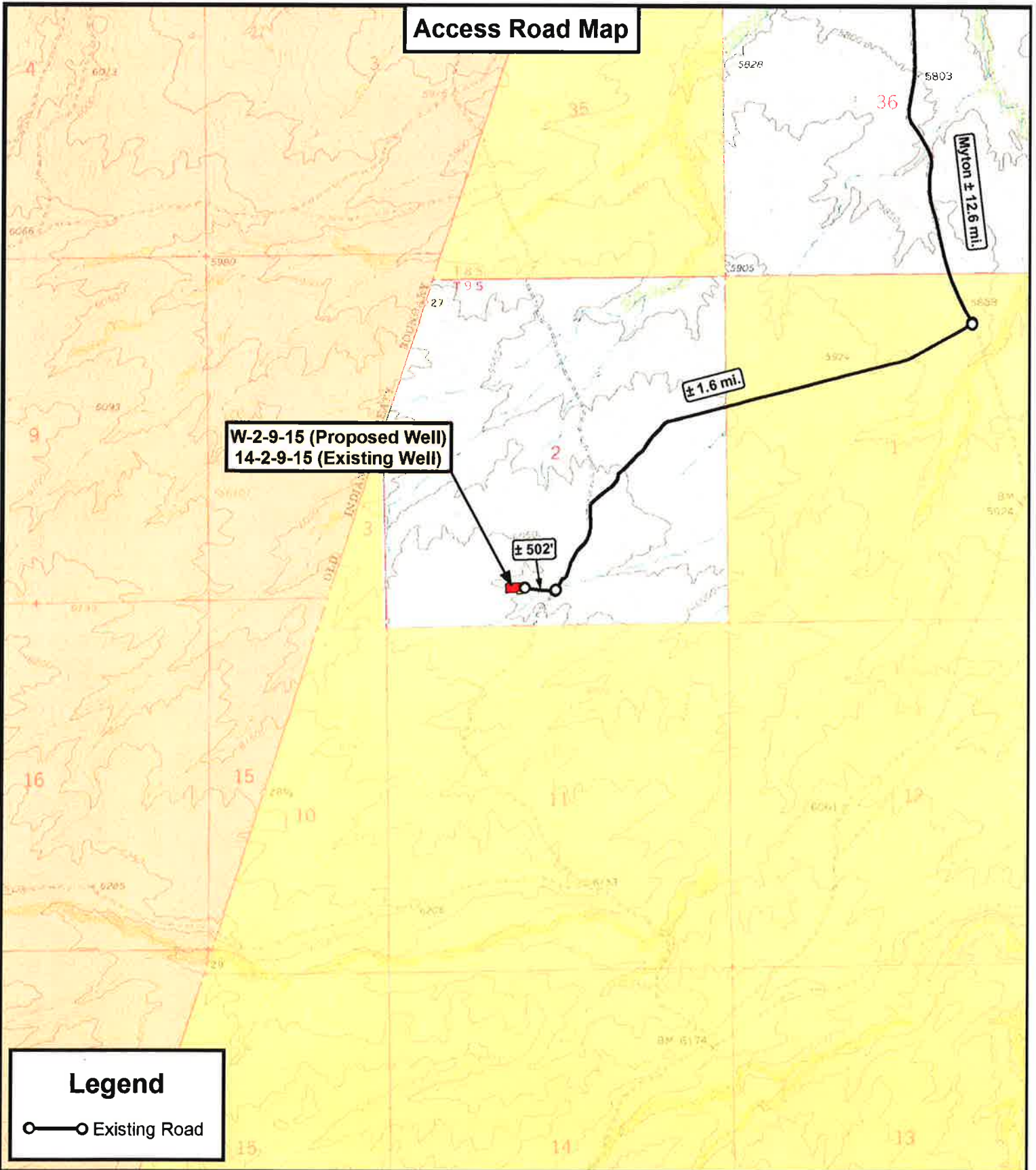
DRAWN BY: J.A.S.
 DATE: 03-07-2011
 SCALE: 1:100,000

TOPOGRAPHIC MAP

SHEET
A

RECEIVED: Mar. 17, 2011

Access Road Map



Legend

—○— Existing Road



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Land Surveying, Inc.**

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W-2-9-15 (Proposed Well)
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SEC. 2, T9S, R15E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY:	J.A.S.
DATE:	03-07-2011
SCALE:	1" = 2,000'

TOPOGRAPHIC MAP

SHEET

B

RECEIVED: Mar. 17, 2011

Proposed Pipeline Map

W-2-9-15 (Proposed Well)
14-2-9-15 (Existing Well)

Existing
Gas Pipeline

Tie in at Existing
Flowline

Tie in at Existing
Waterline

Legend

- Proposed Waterline
- Proposed Flowline
- Existing Road

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NEWFIELD EXPLORATION COMPANY

W-2-9-15 (Proposed Well)
14-2-9-15 (Existing Well)
SEC. 2, T9S, R15E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY: J.A.S.
DATE: 03-07-2011
SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET
C

RECEIVED: Mar. 17, 2011

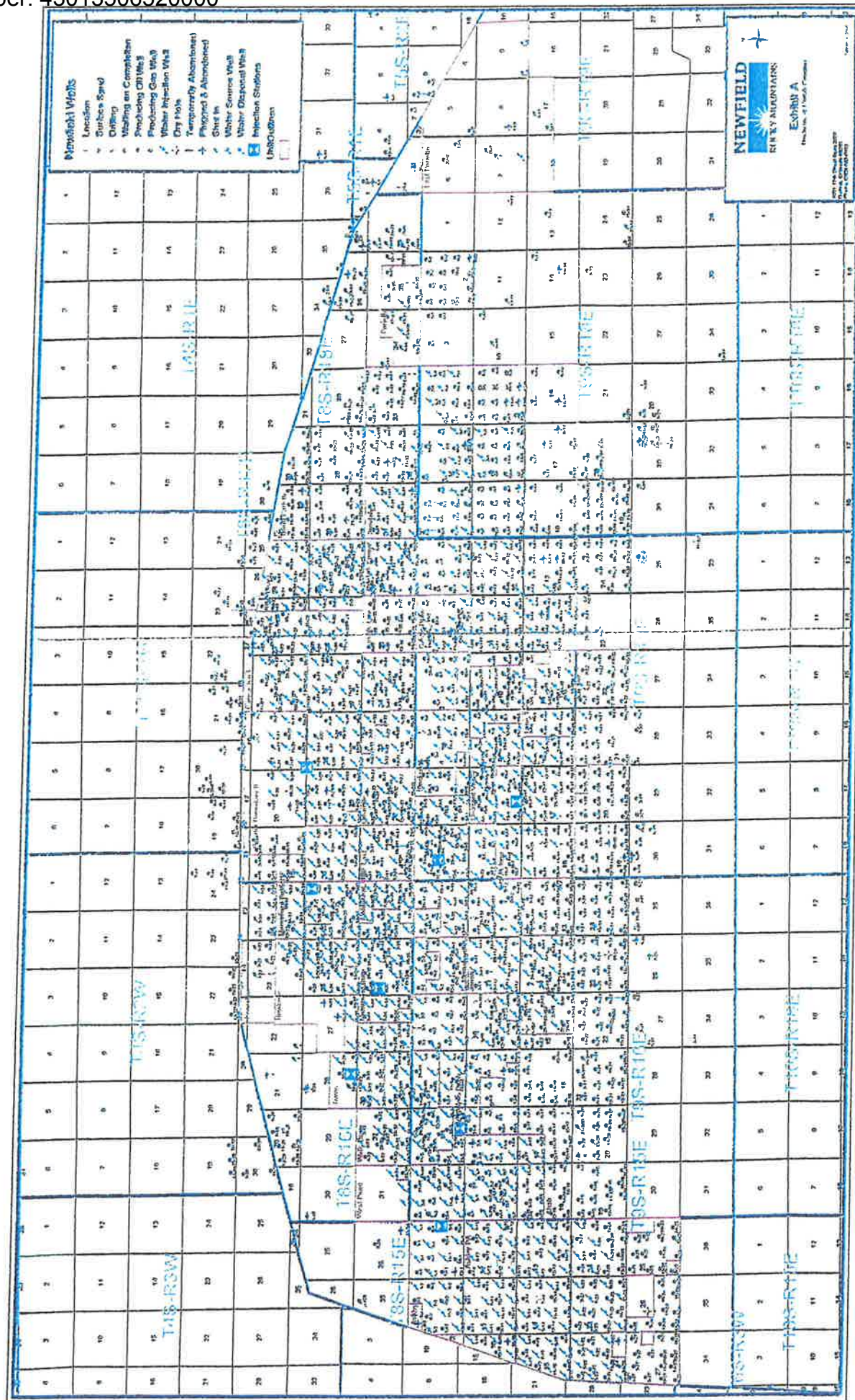
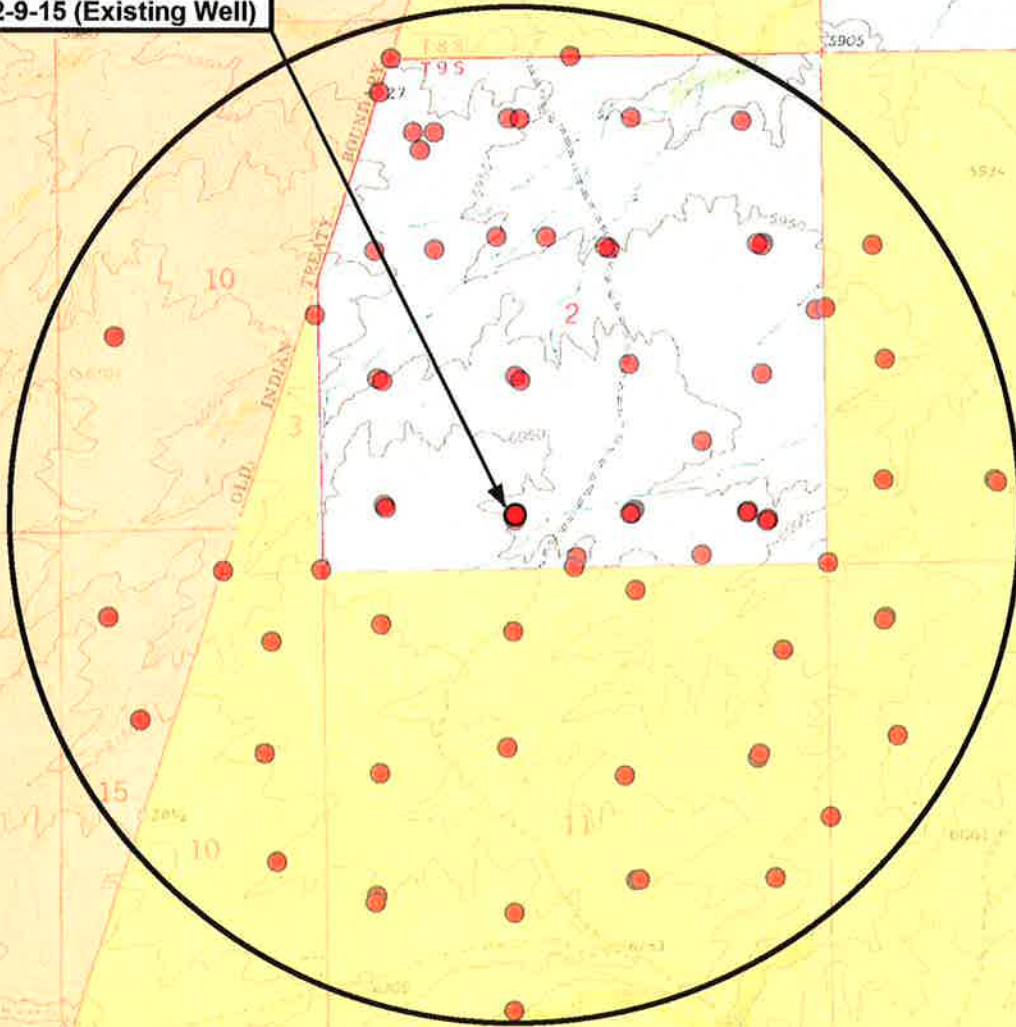


Exhibit "B" Map

W-2-9-15 (Proposed Well)
14-2-9-15 (Existing Well)



Legend

- Proposed Location
- 1 Mile Radius

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NEWFIELD EXPLORATION COMPANY

W-2-9-15 (Proposed Well)
14-2-9-15 (Existing Well)
SEC. 2, T9S, R15E, S.L.B.&M.
Duchesne County, UT.

DRAWN BY: J.A.S.
DATE: 03-07-2011
SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET
D

RECEIVED: Mar. 17, 2011

NEWFIELD



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 2 T9, R15

W-2-9-15

Wellbore #1

Plan: Design #1

Standard Planning Report

15 March, 2011





PayZone Directional Services, LLC.

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well W-2-9-15
Company:	NEWFIELD EXPLORATION	TVD Reference:	W-2-9-15 @ 6065.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	W-2-9-15 @ 6065.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	North Reference:	Grid
Well:	W-2-9-15	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	SECTION 2 T9, R15				
Site Position:		Northing:	7,191,145.41 ft	Latitude:	40° 3' 15.350 N
From:	Lat/Long	Easting:	2,005,088.49 ft	Longitude:	110° 11' 49.770 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.83 °

Well	W-2-9-15, SHL LAT: 40 03 14.99 LONG: -110 12 05.80					
Well Position	+N/-S	-54.6 ft	Northing:	7,191,090.85 ft	Latitude:	40° 3' 14.990 N
	+E/-W	-1,245.7 ft	Easting:	2,003,842.75 ft	Longitude:	110° 12' 5.800 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,065.0 ft	Ground Level:	6,053.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/03/15	11.40	65.78	52,276

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	5,200.0	0.0	0.0	124.09

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,292.6	10.39	124.09	1,288.8	-35.1	51.9	1.50	1.50	0.00	124.09	
5,269.0	10.39	124.09	5,200.0	-437.0	645.7	0.00	0.00	0.00	0.00	W-2-9-15 TGT
6,372.1	10.39	124.09	6,285.0	-548.5	810.4	0.00	0.00	0.00	0.00	



PayZone Directional Services, LLC.

Planning Report



Database: EDM 2003.21 Single User Db
Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9, R15
Well: W-2-9-15
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference: Well W-2-9-15
TVD Reference: W-2-9-15 @ 6065.0ft (Newfield Rig)
MD Reference: W-2-9-15 @ 6065.0ft (Newfield Rig)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	124.09	700.0	-0.7	1.1	1.3	1.50	1.50	0.00
800.0	3.00	124.09	799.9	-2.9	4.3	5.2	1.50	1.50	0.00
900.0	4.50	124.09	899.7	-6.6	9.8	11.8	1.50	1.50	0.00
1,000.0	6.00	124.09	999.3	-11.7	17.3	20.9	1.50	1.50	0.00
1,100.0	7.50	124.09	1,098.6	-18.3	27.1	32.7	1.50	1.50	0.00
1,200.0	9.00	124.09	1,197.5	-26.4	38.9	47.0	1.50	1.50	0.00
1,292.6	10.39	124.09	1,288.8	-35.1	51.9	62.6	1.50	1.50	0.00
1,300.0	10.39	124.09	1,296.1	-35.8	53.0	64.0	0.00	0.00	0.00
1,400.0	10.39	124.09	1,394.5	-46.0	67.9	82.0	0.00	0.00	0.00
1,500.0	10.39	124.09	1,492.8	-56.1	82.8	100.0	0.00	0.00	0.00
1,600.0	10.39	124.09	1,591.2	-66.2	97.8	118.1	0.00	0.00	0.00
1,700.0	10.39	124.09	1,689.5	-76.3	112.7	136.1	0.00	0.00	0.00
1,800.0	10.39	124.09	1,787.9	-86.4	127.6	154.1	0.00	0.00	0.00
1,900.0	10.39	124.09	1,886.3	-96.5	142.6	172.1	0.00	0.00	0.00
2,000.0	10.39	124.09	1,984.6	-106.6	157.5	190.2	0.00	0.00	0.00
2,100.0	10.39	124.09	2,083.0	-116.7	172.4	208.2	0.00	0.00	0.00
2,200.0	10.39	124.09	2,181.3	-126.8	187.4	226.2	0.00	0.00	0.00
2,300.0	10.39	124.09	2,279.7	-136.9	202.3	244.3	0.00	0.00	0.00
2,400.0	10.39	124.09	2,378.1	-147.0	217.2	262.3	0.00	0.00	0.00
2,500.0	10.39	124.09	2,476.4	-157.1	232.2	280.3	0.00	0.00	0.00
2,600.0	10.39	124.09	2,574.8	-167.2	247.1	298.4	0.00	0.00	0.00
2,700.0	10.39	124.09	2,673.1	-177.3	262.0	316.4	0.00	0.00	0.00
2,800.0	10.39	124.09	2,771.5	-187.5	277.0	334.4	0.00	0.00	0.00
2,900.0	10.39	124.09	2,869.9	-197.6	291.9	352.5	0.00	0.00	0.00
3,000.0	10.39	124.09	2,968.2	-207.7	306.8	370.5	0.00	0.00	0.00
3,100.0	10.39	124.09	3,066.6	-217.8	321.8	388.5	0.00	0.00	0.00
3,200.0	10.39	124.09	3,164.9	-227.9	336.7	406.6	0.00	0.00	0.00
3,300.0	10.39	124.09	3,263.3	-238.0	351.6	424.6	0.00	0.00	0.00
3,400.0	10.39	124.09	3,361.7	-248.1	366.6	442.6	0.00	0.00	0.00
3,500.0	10.39	124.09	3,460.0	-258.2	381.5	460.7	0.00	0.00	0.00
3,600.0	10.39	124.09	3,558.4	-268.3	396.4	478.7	0.00	0.00	0.00
3,700.0	10.39	124.09	3,656.7	-278.4	411.4	496.7	0.00	0.00	0.00
3,800.0	10.39	124.09	3,755.1	-288.5	426.3	514.8	0.00	0.00	0.00
3,900.0	10.39	124.09	3,853.5	-298.6	441.2	532.8	0.00	0.00	0.00
4,000.0	10.39	124.09	3,951.8	-308.7	456.2	550.8	0.00	0.00	0.00
4,100.0	10.39	124.09	4,050.2	-318.8	471.1	568.9	0.00	0.00	0.00
4,200.0	10.39	124.09	4,148.6	-328.9	486.0	586.9	0.00	0.00	0.00
4,300.0	10.39	124.09	4,246.9	-339.1	501.0	604.9	0.00	0.00	0.00
4,400.0	10.39	124.09	4,345.3	-349.2	515.9	623.0	0.00	0.00	0.00
4,500.0	10.39	124.09	4,443.6	-359.3	530.8	641.0	0.00	0.00	0.00
4,600.0	10.39	124.09	4,542.0	-369.4	545.8	659.0	0.00	0.00	0.00
4,700.0	10.39	124.09	4,640.4	-379.5	560.7	677.1	0.00	0.00	0.00
4,800.0	10.39	124.09	4,738.7	-389.6	575.6	695.1	0.00	0.00	0.00
4,900.0	10.39	124.09	4,837.1	-399.7	590.6	713.1	0.00	0.00	0.00
5,000.0	10.39	124.09	4,935.4	-409.8	605.5	731.1	0.00	0.00	0.00
5,100.0	10.39	124.09	5,033.8	-419.9	620.4	749.2	0.00	0.00	0.00
5,200.0	10.39	124.09	5,132.2	-430.0	635.4	767.2	0.00	0.00	0.00



PayZone Directional Services, LLC.

Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well W-2-9-15
Company:	NEWFIELD EXPLORATION	TVD Reference:	W-2-9-15 @ 6065.0ft (Newfield Rig)
Project:	USGS Myton SW (UT)	MD Reference:	W-2-9-15 @ 6065.0ft (Newfield Rig)
Site:	SECTION 2 T9, R15	North Reference:	Grid
Well:	W-2-9-15	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,269.0	10.39	124.09	5,200.0	-437.0	645.7	779.6	0.00	0.00	0.00
W-2-9-15 TGT									
5,300.0	10.39	124.09	5,230.5	-440.1	650.3	785.2	0.00	0.00	0.00
5,400.0	10.39	124.09	5,328.9	-450.2	665.2	803.3	0.00	0.00	0.00
5,500.0	10.39	124.09	5,427.2	-460.3	680.2	821.3	0.00	0.00	0.00
5,600.0	10.39	124.09	5,525.6	-470.4	695.1	839.3	0.00	0.00	0.00
5,700.0	10.39	124.09	5,624.0	-480.6	710.0	857.4	0.00	0.00	0.00
5,800.0	10.39	124.09	5,722.3	-490.7	725.0	875.4	0.00	0.00	0.00
5,900.0	10.39	124.09	5,820.7	-500.8	739.9	893.4	0.00	0.00	0.00
6,000.0	10.39	124.09	5,919.0	-510.9	754.8	911.5	0.00	0.00	0.00
6,100.0	10.39	124.09	6,017.4	-521.0	769.8	929.5	0.00	0.00	0.00
6,200.0	10.39	124.09	6,115.8	-531.1	784.7	947.5	0.00	0.00	0.00
6,300.0	10.39	124.09	6,214.1	-541.2	799.6	965.6	0.00	0.00	0.00
6,372.1	10.39	124.09	6,285.0	-548.5	810.4	978.6	0.00	0.00	0.00



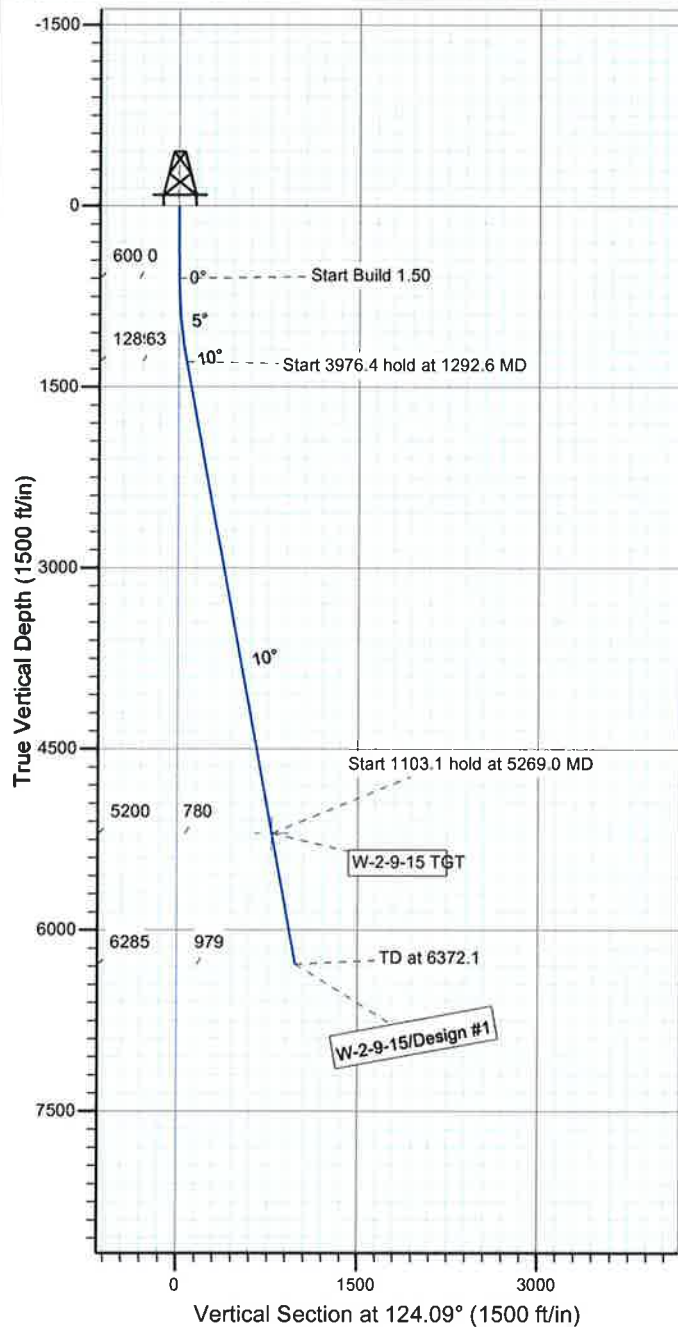
Project: USGS Myton SW (UT)
 Site: SECTION 2 T9, R15
 Well: W-2-9-15
 Wellbore: Wellbore #1
 Design: Design #1



Azimuths to Grid North
 True North: -0.83°
 Magnetic North: 10.57°

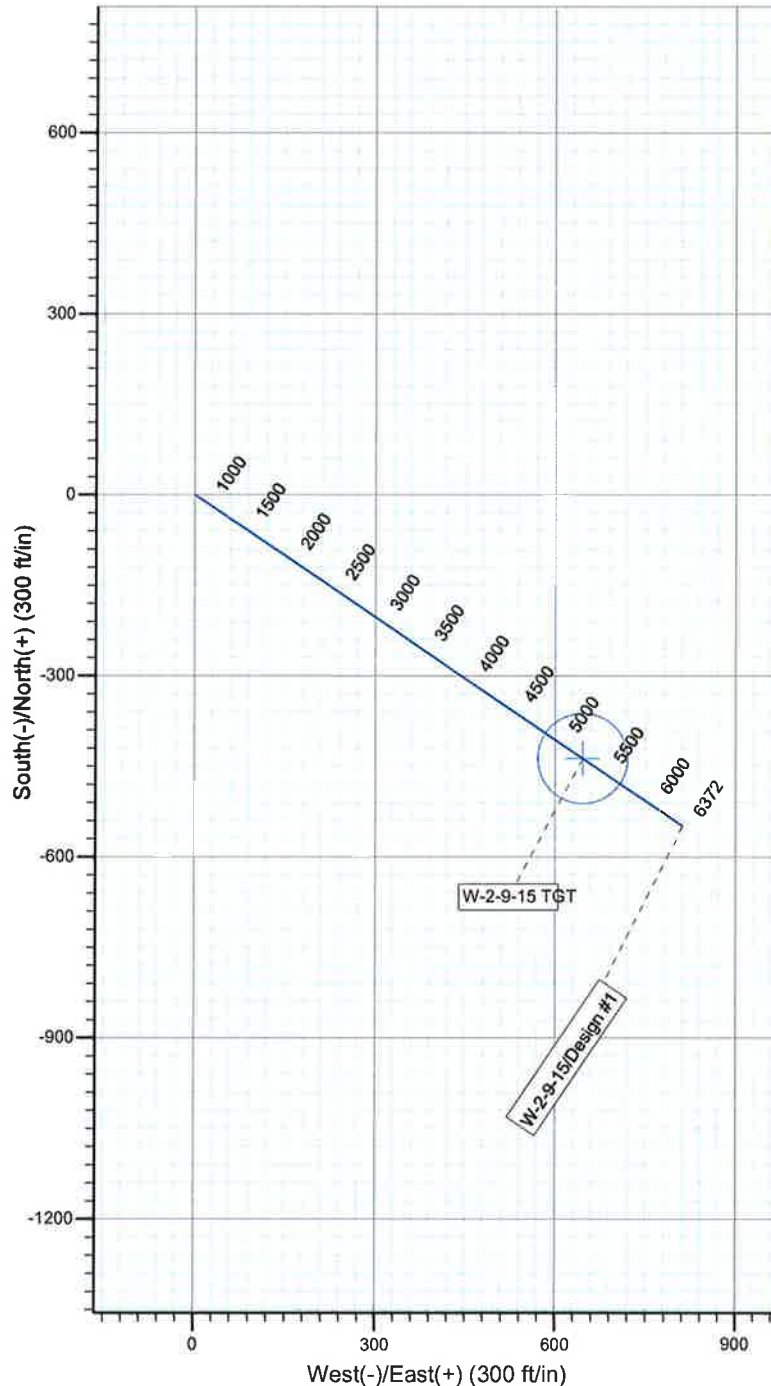
Magnetic Field
 Strength: 52276.1snT
 Dip Angle: 65.78°
 Date: 2011/03/15
 Model: IGRF2010

KOP @ 600'
 DOGLEG RATE 1.5 DEG/100
 TARGET RADIUS IS 75'



WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
W-2-9-15 TGT	5200.0	-437.0	645.7	Circle (Radius: 75.0)



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1292.6	10.39	124.09	1288.8	-35.1	51.9	1.50	124.09	62.6	
4	5269.0	10.39	124.09	5200.0	-437.0	645.7	0.00	0.00	779.6	W-2-9-15 TGT
5	6372.1	10.39	124.09	6285.0	-548.5	810.4	0.00	0.00	978.6	

**NEWFIELD PRODUCTION COMPANY
GMBU W-2-9-15
AT SURFACE: SE/SW SECTION 2, T9S, R15E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU W-2-9-15 located in the SE 1/4 SW 1/4 Section 2, T9S, R15E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly - 6.4 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 2.4 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 0.8 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 1.6 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly - 1.6 miles \pm to it's junction with an existing road to the west; proceed westerly - 502' \pm to the existing 14-2-9-15 well pad.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

2. PLANNED ACCESS ROAD

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing 14-2-9-15 well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – State of Utah.

11. OTHER ADDITIONAL INFORMATION :

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #03-83, 11/18/03. Paleontological Resource Survey prepared by, Wade Miller, 9/25/02. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 601' of buried water line to be granted. It is proposed that the disturbed area will be 30' wide to allow for construction of the proposed buried 10" steel water injection line and a buried 3" poly water return line. The proposed buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM office.

Surface Flow Line

Newfield requests 469' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. **Refer to Topographic Map "C"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities

Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU W-2-9-15, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU W-2-9-15, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**Representative**

Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #W-2-9-15, Section 2, Township 9S, Range 15E: Lease ML-43538 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

3/17/11
Date


Mandie Crozier
Regulatory Specialist
Newfield Production Company

2-M SYSTEM

Blowout Prevention Equipment Systems

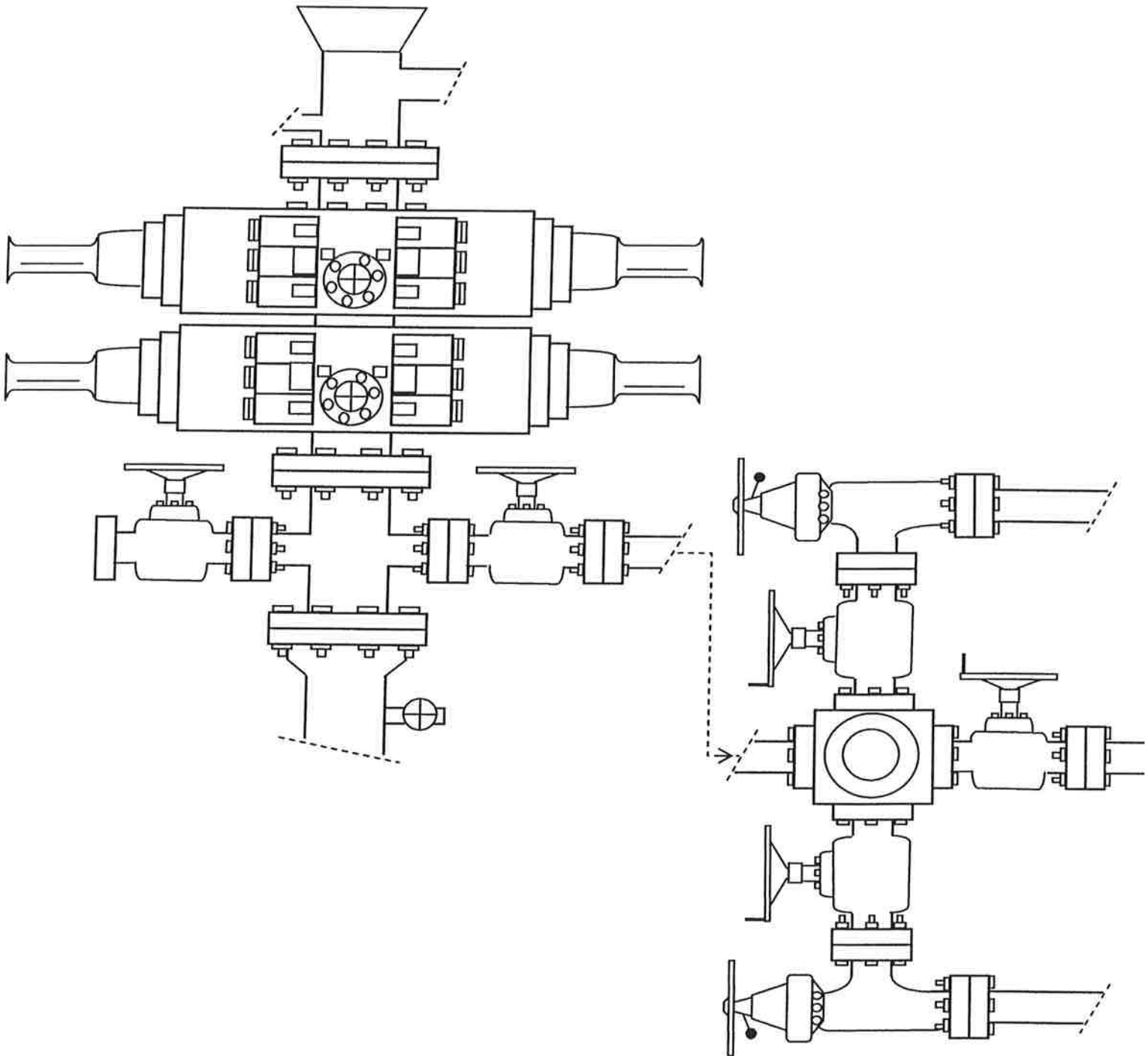


EXHIBIT C

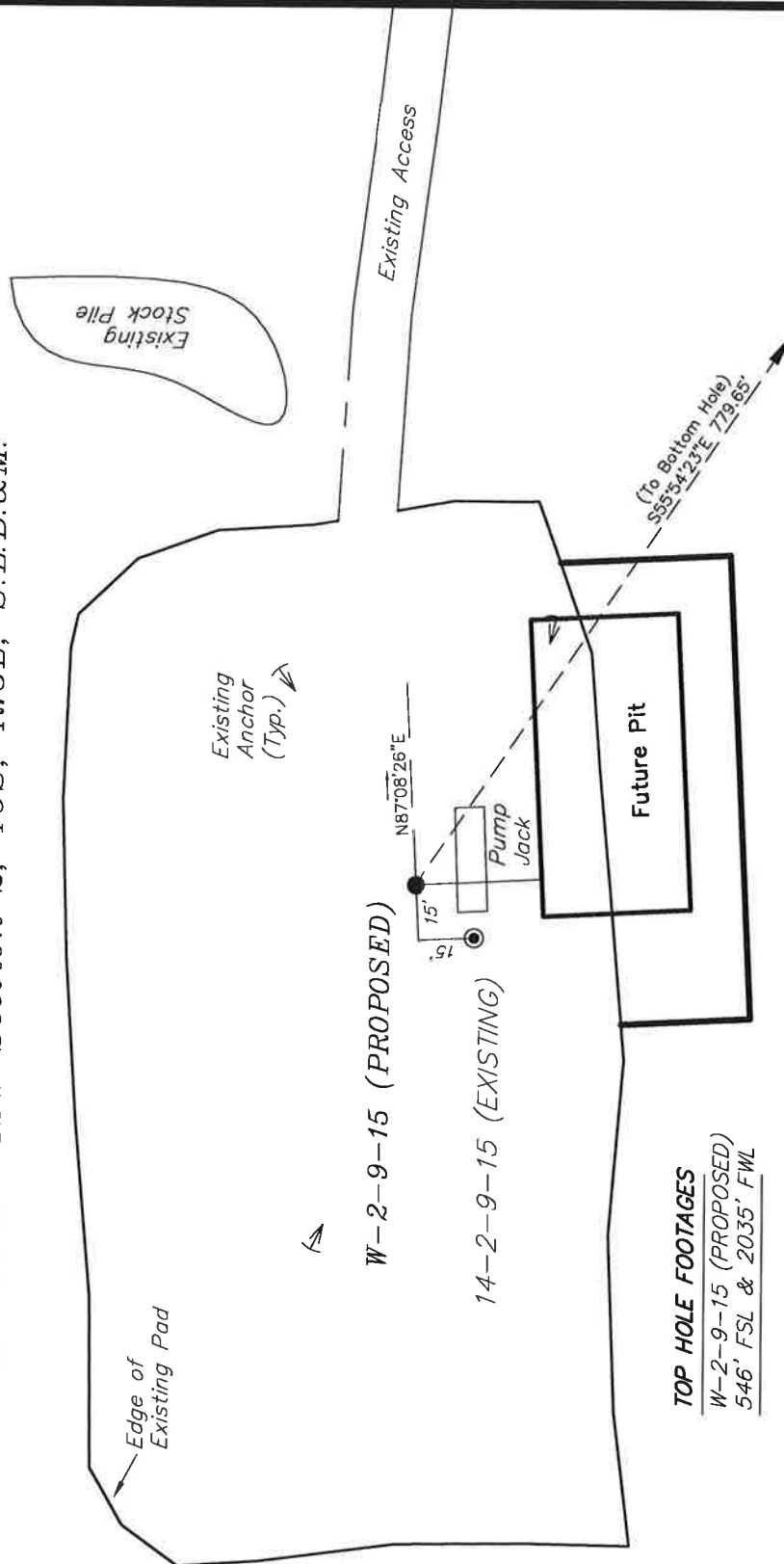
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

W-2-9-15 (Proposed Well)

14-2-9-15 (Existing Well)

Pad Location: SESW Section 2, T9S, R15E, S.L.B.&M.



TOP HOLE FOOTAGES

W-2-9-15 (PROPOSED)
546' FSL & 2035' FWL

BOTTOM HOLE FOOTAGES

W-2-9-15 (PROPOSED)
100' FSL & 2625' FEL

Note:

Bearings are based
on GPS Observations.

RELATIVE COORDINATES From Top Hole to Bottom Hole

WELL	NORTH	EAST
W-2-9-15	-437'	646'

LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
W-2-9-15	40° 03' 14.99"	110° 12' 05.80"
14-2-9-15	40° 03' 14.83"	110° 12' 05.99"

Tri State
Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SURVEYED BY: S.V.	DATE SURVEYED: 02-27-11
DRAWN BY: F.T.M.	DATE DRAWN: 03-04-11
SCALE: 1" = 50'	REVISED:

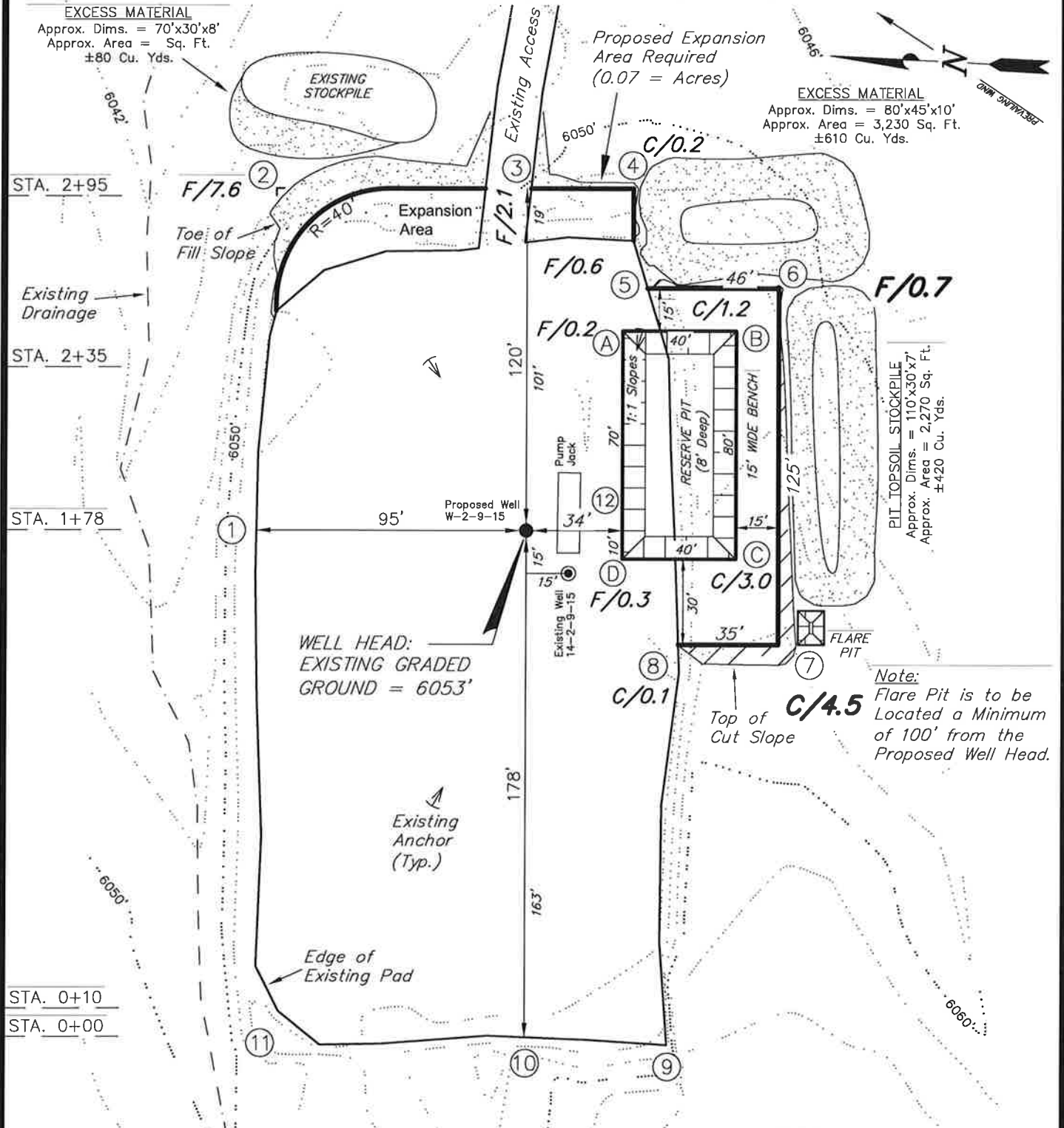
NEWFIELD EXPLORATION COMPANY

LOCATION LAYOUT

W-2-9-15 (Proposed Well)

14-2-9-15 (Existing Well)

Pad Location: SESW Section 2, T9S, R15E, S.L.B.&M.



NOTE:
The topsoil, excess material & temporary cuttings areas are calculated as being mounds containing 1,110 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: S.V.	DATE SURVEYED: 02-27-11
DRAWN BY: F.T.M.	DATE DRAWN: 03-04-11
SCALE: 1" = 50'	REVISED:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

RECEIVED: Mar. 17, 2011

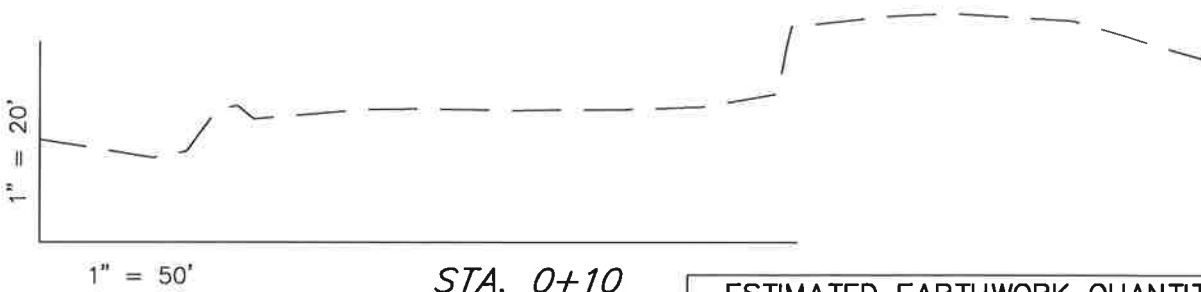
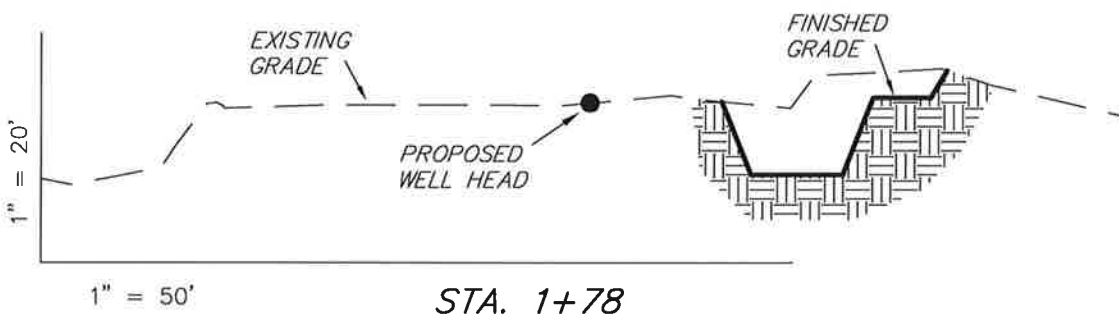
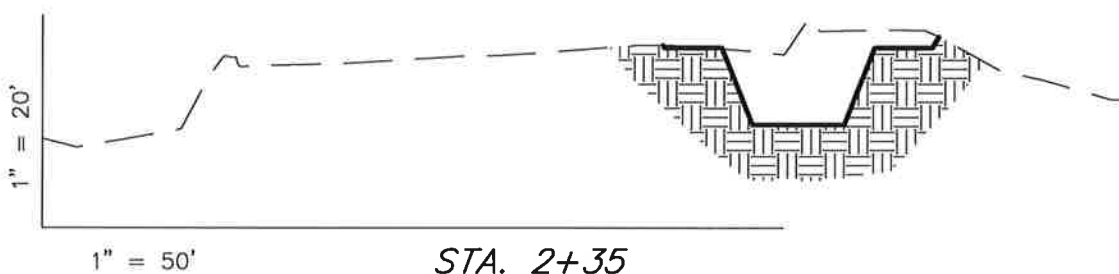
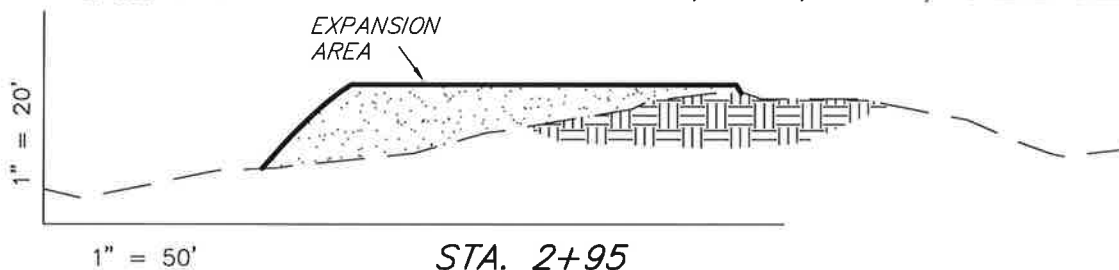
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

W-2-9-15 (Proposed Well)

14-2-9-15 (Existing Well)

Pad Location: SESW Section 2, T9S, R15E, S.L.B.&M.



NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	150	290	Topsoil is not included in Pad Cut	-137
PIT	690	0		690
TOTALS	840	290	450	550

SURVEYED BY: S.V.

DATE SURVEYED: 02-27-11

DRAWN BY: F.T.M.

DATE DRAWN: 03-04-11

SCALE: 1" = 50'

REVISED:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

RECEIVED: Mar. 17, 2011

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

March 22, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Greater Monument
Butte Unit, Duchesne and Uintah Counties,
Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-50648	GMBU U-32-8-16	Sec 32 T08S R16E 0563 FSL 0537 FEL
	BHL	Sec 32 T08S R16E 0100 FSL 0100 FEL
43-013-50649	GMBU I-32-8-17	Sec 32 T08S R17E 0485 FNL 0656 FEL
	BHL	Sec 32 T08S R17E 1648 FNL 1589 FEL
43-013-50650	GMBU S-32-8-17	Sec 32 T08S R17E 2293 FSL 2169 FEL
	BHL	Sec 32 T08S R17E 1054 FSL 1120 FEL
43-047-51540	GMBU N-36-8-17	Sec 36 T08S R17E 1915 FNL 0731 FWL
	BHL	Sec 36 T08S R17E 2461 FSL 1558 FWL
43-047-51541	GMBU R-36-8-17	Sec 36 T08S R17E 0731 FSL 1972 FEL
	BHL	Sec 36 T08S R17E 1486 FSL 2364 FWL
43-013-50651	GMBU K-2-9-15	Sec 02 T09S R15E 1976 FNL 0644 FEL
	BHL	Sec 02 T09S R15E 2625 FSL 0100 FEL
43-013-50652	GMBU W-2-9-15	Sec 02 T09S R15E 0546 FSL 2035 FWL
	BHL	Sec 02 T09S R15E 0100 FSL 2625 FEL
43-047-51542	GMBU K-2-9-17	Sec 02 T09S R17E 2039 FSL 0766 FEL
	BHL	Sec 02 T09S R17E 2630 FSL 0100 FEL

RECEIVED: Mar. 23, 2011

API #	WELL NAME	LOCATION
9Proposed PZ GREEN RIVER)		
43-047-51543	GMBU T-2-9-17	Sec 02 T09S R17E 0644 FSL 0644 FEL
	BHL	Sec 02 T09S R17E 1340 FSL 0100 FEL
43-047-51544	GMBU U-2-9-17	Sec 02 T09S R17E 0627 FSL 0631 FEL
	BHL	Sec 02 T09S R17E 0100 FSL 0100 FEL
43-013-50653	GMBU V-32-8-16	Sec 32 T08S R16E 0584 FSL 0539 FEL
	BHL	Sec 32 T08S R16E 0100 FSL 1290 FEL
43-013-50654	GMBU O-2-9-17	Sec 02 T09S R17E 2026 FNL 0682 FWL
	BHL	Sec 02 T09S R17E 2630 FSL 0100 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.03.22 12:09:21 -0600

bcc: File - Greater Monument Butte Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

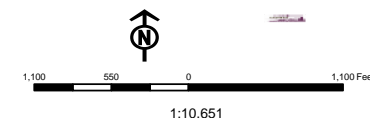
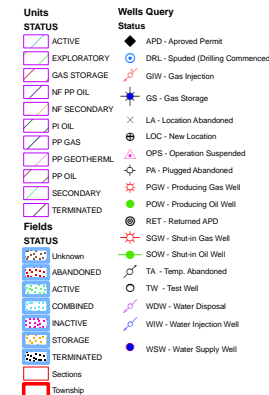
MCoulthard:mc:3-22-11

RECEIVED: Mar. 23, 2011



API Number: 4301350652
Well Name: GMBU W-2-9-15
Township T0.9 . Range R1.5 . Section 02
Meridian: SLBM
Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason





VIA ELECTRONIC DELIVERY

March 28, 2011

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
P.O. Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
GMBU W-2-9-15
Greater Monument Butte (Green River) Unit

Surface Hole: T9S-R15E Section 2: SESW (ML-43538)
546' FSL 2035' FWL

At Target: T9S-R15E Section 2: SWSE (ML-43538)
100' FSL 2625' FEL

Duchesne County, Utah

Dear Ms. Mason:

Pursuant to the filing by Newfield Production Company (NPC) of an Application for Permit to Drill the above referenced well dated 3/17/11, a copy of which is attached, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole and target locations of this well are both within the boundaries of the Greater Monument Butte Unit (UTU-87538X), of which Newfield certifies that it is the operator. Further, Newfield certifies that all lands within 460 feet of the entire directional well bore are within the Greater Monument Butte Unit.

NPC is permitting this well as a directional well in order to mitigate surface disturbance by utilizing pre-existing roads and pipelines.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please contact the undersigned at 303-383-4197 or by email at sgillespie@newfield.com. Your consideration in this matter is greatly appreciated.

Sincerely,
Newfield Production Company

A handwritten signature in blue ink, appearing to read "Shane Gillespie".

Shane Gillespie
Land Associate

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

 AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO. ML-43538	6. SURFACE State
1A. TYPE OF WORK DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
1B. TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME. Greater Monument Butte	
2. NAME OF OPERATOR Newfield Production Company				9. WELL NAME and NUMBER. GMBU W-2-9-15	
3. ADDRESS OF OPERATOR Route #3 Box 3630 Myton UT 84052				10. FIELD AND POOL, OR WILDCAT Monument Butte	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE SE/SW 546' FSL 2035' FWL Sec. 2 T9S R15E AT PROPOSED PRODUCING ZONE SW/SE 100' FSL 2625' FEL Sec. 2 T9S R15E				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 2 9S 15E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE Approximately 14.3 miles southwest of Myton, Utah				12. COUNTY Duchesne	13. STATE UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) Approx. 100' f/lse line, NA' f/unit line		16. NUMBER OF ACRES IN LEASE 621.07 acres		17. NUMBER OF ACRES ASSIGNED TO THIS WELL 20 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) Approx. 1033'		19. PROPOSED DEPTH 6,372		20. BOND DESCRIPTION #B001834	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.) 6053' GL		22. APPROXIMATE DATE WORK WILL START 2nd Qtr. 2011		23. ESTIMATED DURATION (15) days from SPUD to rig release	

24. PROPOSED CASING AND CEMENTING PROGRAM							
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	8 5/8"	J-55	24.0	300	Class G w/2% CaCl	155 sx +/-	1.17 15.8
7 7/8"	5 1/2"	J-55	15.5	6,372	Lead(Prem Lite II)	275 sx +/-	3.26 11.0
					Tail (50/50 Poz)	450 sx +/-	1.24 14.3

26. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES	
<input checked="" type="checkbox"/> WELL-PLAN OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) <u>Mandie Crozier</u>	TITLE <u>Regulatory Specialist</u>
SIGNATURE <u><i>Mandie Crozier</i></u>	DATE <u>3/12/11</u>

(This space for State use only)

API NUMBER ASSIGNED _____

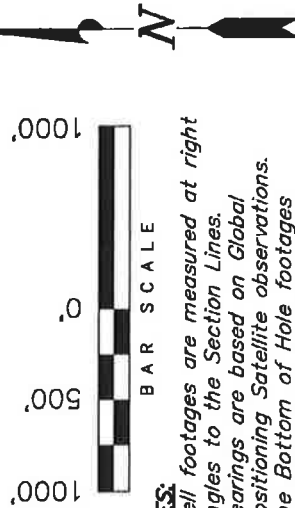
APPROVAL: _____

NEWFIELD EXPLORATION COMPANY

T9S, R15E, S.L.B.&M.

WELL LOCATION, W-2-9-15, LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, W-2-9-15, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 2, T9S, R15E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Bottom of Hole footages are 100' FSL & 2625' FEL.

◆ = SECTION CORNERS LOCATED

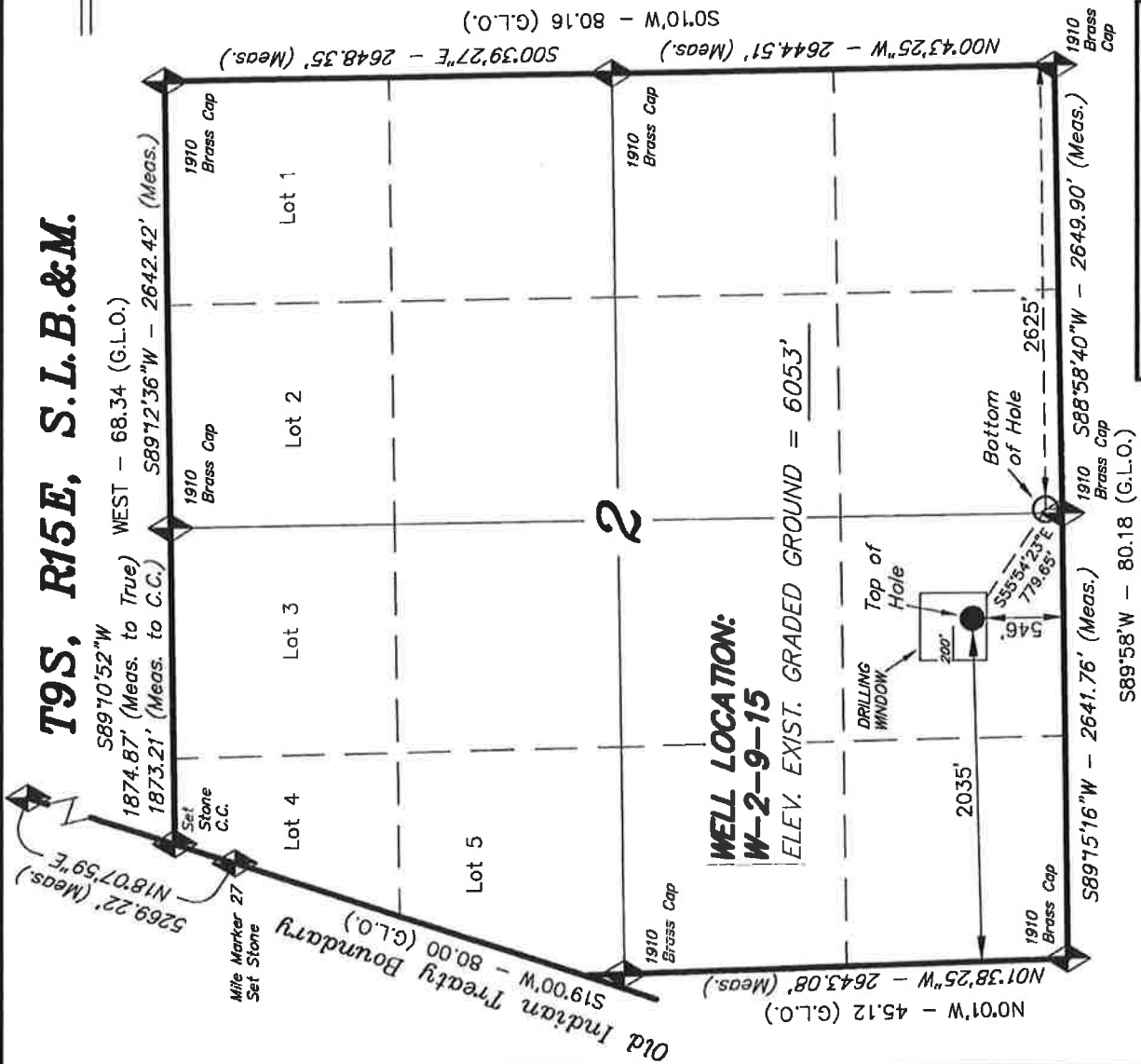
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF A SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STACY W.
REGISTERED LAND SURVEYOR
REGISTRATION NO. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

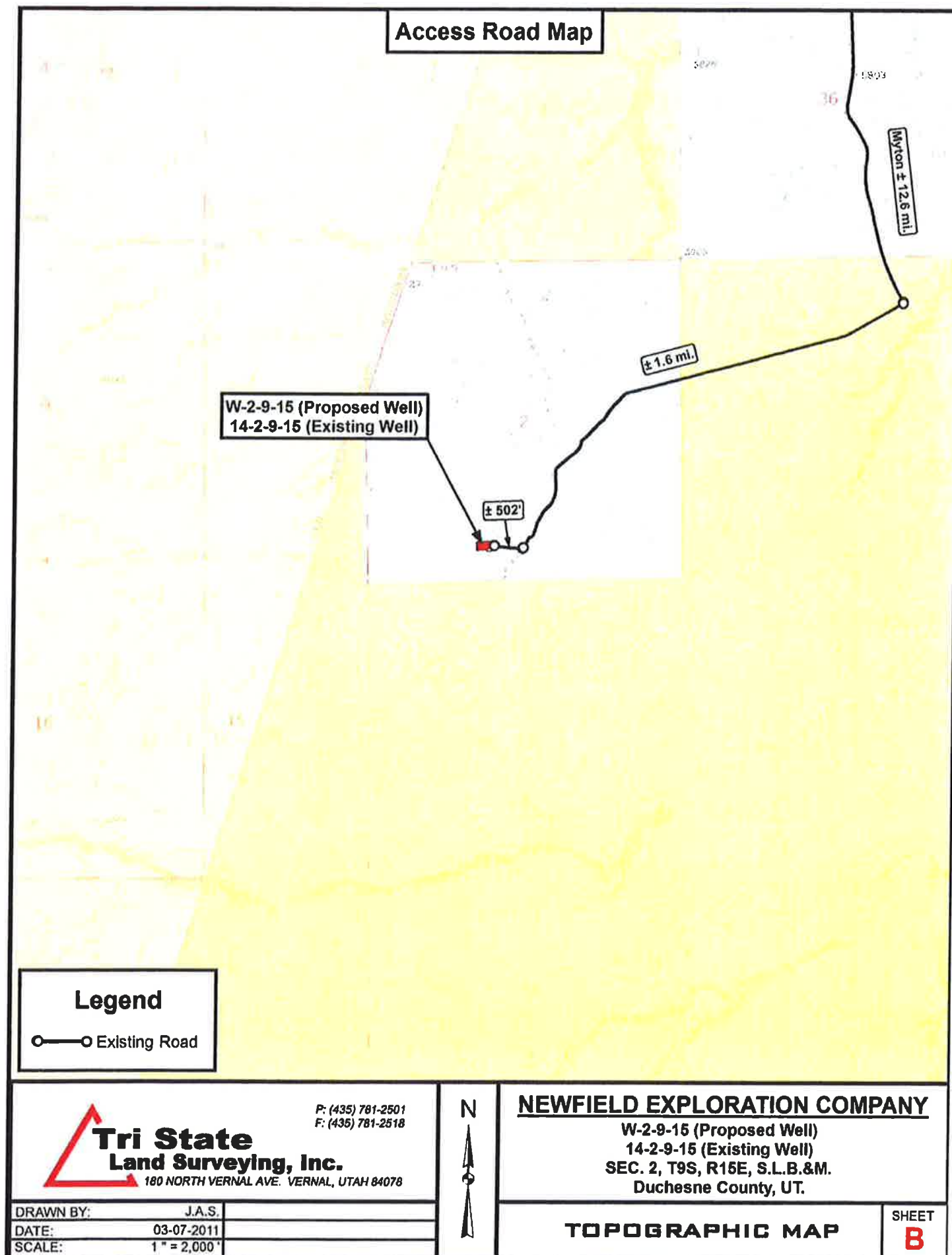
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 02-27-11	SURVEYED BY: S.V.
DATE DRAWN: 03-04-11	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



W-2-9-15
(Surface Location) **NAD 83**
LATITUDE = 40° 03' 14.99"
LONGITUDE = 110° 12' 05.80"

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'



From: Jim Davis
To: Bonner, Ed; Garrison, LaVonne; Hill, Brad; Mason, Diana
CC: mcrozier@newfield.com; teaton@newfield.com
Date: 4/7/2011 11:06 AM
Subject: Newfield APD approvals

The following APDs have been approved by SITLA. Please note arch and paleo notes below.

Arch and paleo clearance is granted on this group of APDs.

4301350651 GMBU K-2-9-15
4301350652 GMBU W-2-9-15
4304751543 GMBU T-2-9-17
4304751544 GMBU U-2-9-17

On existing pad, requiring no new surface disturbance. Arch and paleo not required.

4301350650 GMBU S-32-8-17
4301350654 GMBU O-2-9-17
4304751541 GMBU R-36-8-17
4304751542 GMBU K-2-9-17
4301350656 GMBU P-32-8-17
4301350657 GMBU W-32-8-17
4304751548 GMBU D-36-8-17

Thanks
-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

Well Name	NEWFIELD PRODUCTION COMPANY GMBU W-2-9-15 43013			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	350	6285		
Previous Shoe Setting Depth (TVD)	0	350		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2721	8.3		

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	151	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	109	YES air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	74	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	74	NO OK
Required Casing/BOPE Test Pressure=		350	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	2745	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1991	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1362	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1439	NO Common for area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		350	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi

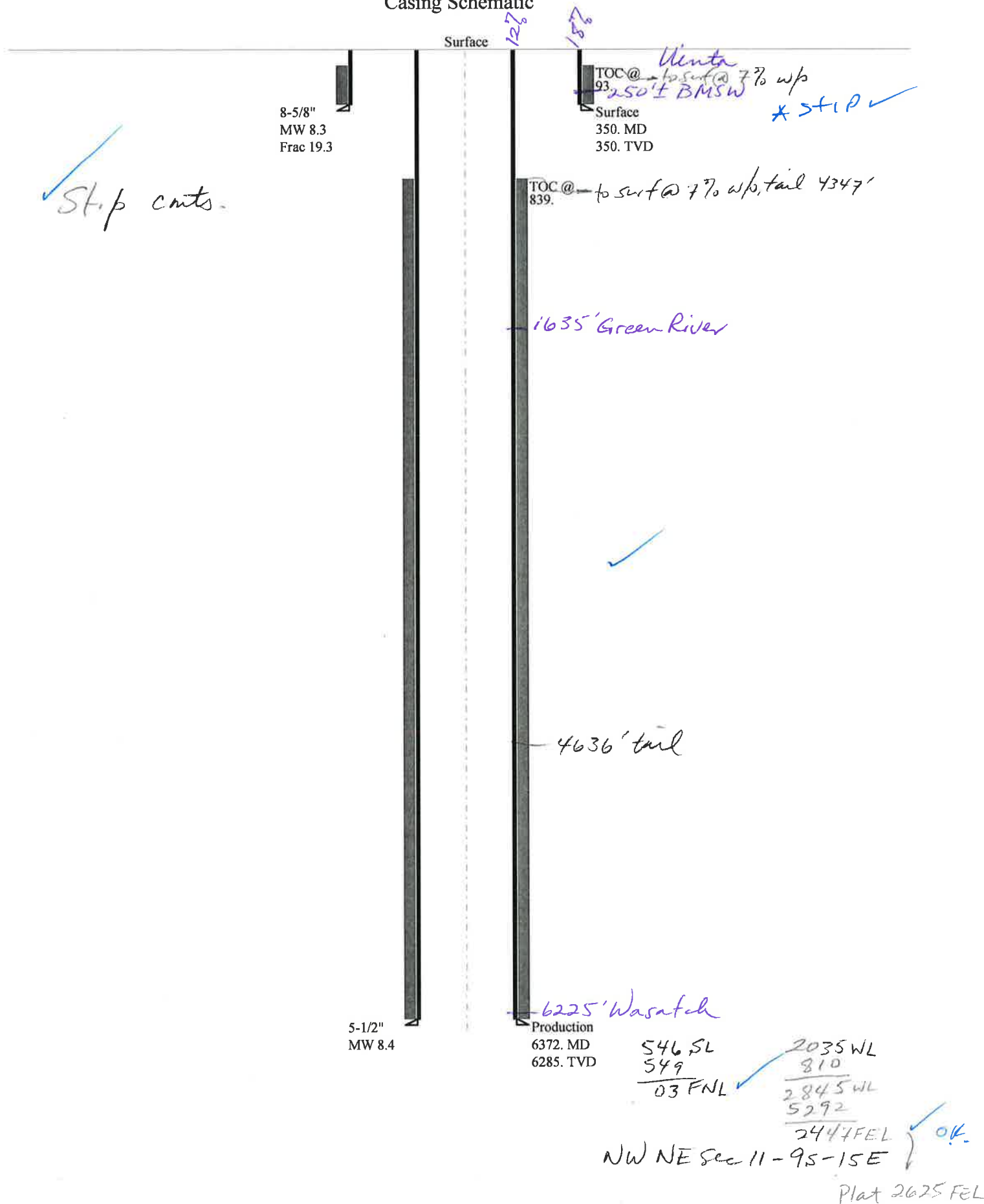
API Well Number: 43013506520000

*Max Pressure Allowed @ Previous Casing Shoe=

psi *Assumes 1psi/ft frac gradient

43013506520000 GMBU W-2-9-15

Casing Schematic



Well name:	43013506520000 GMBU W-2-9-15		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Surface	Project ID:	43-013-50652
Location:	DUCHESNE COUNTY		

Design parameters:**Collapse**

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 79 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 93 ft

Burst

Max anticipated surface pressure: 308 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 350 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 306 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 6,285 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,743 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 350 ft
Injection pressure: 350 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	350	8.625	24.00	J-55	ST&C	350	350	7.972	1802
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	151	1370	9.046	350	2950	8.43	8.4	244	29.05 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: April 27, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 350 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED: May. 02, 2011

Well name:	43013506520000 GMBU W-2-9-15		
Operator:	NEWFIELD PRODUCTION COMPANY		
String type:	Production	Project ID:	43-013-50652
Location:	DUCHESNE COUNTY		

Design parameters:**Collapse**

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 162 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 839 ft

Burst

Max anticipated surface pressure: 1,360 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,743 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,560 ft

Directional Info - Build & Hold

Kick-off point 600 ft
Departure at shoe: 979 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 10.39 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6372	5.5	15.50	J-55	LT&C	6285	6372	4.825	22500
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2743	4040	1.473	2743	4810	1.75	97.4	217	2.23 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: April 27, 2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6285 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

RECEIVED: May. 02, 2011

ON-SITE PREDRILL EVALUATION**Utah Division of Oil, Gas and Mining**

Operator NEWFIELD PRODUCTION COMPANY
Well Name GMBU W-2-9-15
API Number 43013506520000 **APD No** 3573 **Field/Unit** MONUMENT BUTTE
Location: 1/4,1/4 SESW **Sec 2** **Tw 9.0S** **Rng 15.0E** 546 FSL 2035 FWL
GPS Coord (UTM) 568161 4433868 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Brian Foote (Newfield), Jim Davis (SITLA) and Alex Hansen (UDWR).

Regional/Local Setting & Topography

The proposed GMBU W-2-9-15 oil well is to be directional drilled from the pad of the existing Ashley State 14-2-9-15 producing oil well. The area is designated for 20 acre spacing. The existing pad will be lengthened about 19 feet on the west end. Fill for this extension can be obtained from the reserve pit area or the hillside near the pit. A reserve pit will be re-dug in approximately the previous location. No tanks are currently on the pad. The oil will be piped to another site.

A field review of the existing pad showed no concerns as it now exists and it should be suitable for drilling and operating the proposed additional well.

SITLA owns the surface.

Surface Use Plan

Current Surface Use
Existing Well Pad

New Road Miles	Well Pad	Src Const Material	Surface Formation
	Width Length		

Ancillary Facilities

Waste Management Plan Adequate?**Environmental Parameters**

Affected Floodplains and/or Wetlands

Flora / Fauna

Existing pad.

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diversion Required?

Berm Required?**Erosion Sedimentation Control Required?****Paleo Survey Run?****Paleo Potential Observed?****Cultural Survey Run?****Cultural Resources?****Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	75 to 100	10	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	45	1 Sensitivity Level

Characteristics / Requirements

A reserve pit will be re-dug in the original location on the southeast side. Its dimensions are 80' x 40' x 8' deep. A 16 mil liner with an appropriate sub-liner is required.

Closed Loop Mud Required? N**Liner Required?****Liner Thickness 16****Pit Underlayment Required? Y****Other Observations / Comments**

Floyd Bartlett
Evaluator

3/23/2011
Date / Time

Application for Permit to Drill Statement of Basis

5/4/2011

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
3573	43013506520000	LOCKED	OW	S	No
Operator	NEWFIELD PRODUCTION COMPANY		Surface Owner-APD		
Well Name	GMBU W-2-9-15		Unit	GMBU (GRRV)	
Field	MONUMENT BUTTE		Type of Work	DRILL	
Location	SESW 2 9S 15E S 546 FSL 2035 FWL		GPS Coord (UTM)	568164E 4433856N	

Geologic Statement of Basis

Newfield proposes to set 300 feet of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 250'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 2. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect useable sources of underground water.

Brad Hill
APD Evaluator

4/5/2011
Date / Time

Surface Statement of Basis

The proposed GMBU W-2-9-15 oil well is to be directional drilled from the pad of the existing Ashley State 14-2-9-15 producing oil well. The area is designated for 20 acre spacing. The existing pad will be lengthened about 19 feet on the west end. Fill for this extension can be obtained from the reserve pit area or the hillside near the pit. A reserve pit will be re-dug in approximately the previous location. No tanks are currently on the pad. The oil will be piped to another site.

A field review of the existing pad showed no concerns as it now exists and it should be suitable for drilling and operating the proposed additional well.

SITLA owns the surface. Mr. Jim Davis of SITLA attended the evaluation and agreed with the extension. Mr. Alex Hansen of the UDWR also attended and had no recommendations for wildlife.

Floyd Bartlett
Onsite Evaluator

3/23/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/17/2011**API NO. ASSIGNED:** 43013506520000**WELL NAME:** GMBU W-2-9-15**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 646-4825**CONTACT:** Mandie Crozier**PROPOSED LOCATION:** SESW 02 090S 150E**Permit Tech Review:** ☒**SURFACE:** 0546 FSL 2035 FWL**Engineering Review:** ☒**BOTTOM:** 0100 FSL 2625 FEL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.05409**LONGITUDE:** -110.20084**UTM SURF EASTINGS:** 568164.00**NORTHINGS:** 4433856.00**FIELD NAME:** MONUMENT BUTTE**LEASE TYPE:** 3 - State**LEASE NUMBER:** ML-43538**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER**SURFACE OWNER:** 3 - State**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** STATE/FEE - B001834☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 437478☐ **RDCC Review:**☐ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:** GMBU (GRRV)☐ **R649-3-2. General**☐ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** Cause 213-11**Effective Date:** 11/30/2009**Siting:** Suspends General Siting☒ **R649-3-11. Directional Drill****Comments:** Presite Completed**Stipulations:**
5 - Statement of Basis - bhill
15 - Directional - dmason
25 - Surface Casing - hmadonald
27 - Other - bhill**RECEIVED:** May. 04, 2011



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GMBU W-2-9-15

API Well Number: 43013506520000

Lease Number: ML-43538

Surface Owner: STATE

Approval Date: 5/4/2011

Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
– contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas

Spud
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 29 Submitted By
Branden Arnold Phone Number 435-401-0223
Well Name/Number GMBU W-2-9-15
Qtr/Qtr SE/SW Section 2 Township 9S Range 15E
Lease Serial Number ML-43538
API Number 43-013-50652

Spud Notice – Spud is the initial spudding of the well, not drilling
out below a casing string.

Date/Time 5/13/11 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/13/11 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.


1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-43538
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: GMBU W-2-9-15
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 2, T9S, R15E		9. API NUMBER: 4301350652
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
STATE: UT		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Spud Notice
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/17/2011			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 5/13/11 MIRU Ross #29. Spud well @12:00 pM. Drill 390' of 12 1/4" hole with air mist. TIH W/ 9 Jt's 8 5/8" J-55 24# csgn. Set @ 393.32. On 5/17/11 cement with 200 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 8 barrels cement to pit. WOC.

NAME (PLEASE PRINT) <u>Branden Arnold</u>	TITLE _____
SIGNATURE <u></u>	DATE <u>05/17/2011</u>

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DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT 393.32

LAST CASING	<u>14</u>	SET AT	<u>8</u>
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE		<u>12</u>	
TD DRILLER	<u>390</u>	LOGGER	<u></u>
HOLE SIZE	<u>12 1/4"</u>		

OPERATOR **Newfield Exploration Company**
WELL **GMBU W-2-9-15**
FIELD/PROSPECT **Monument Butte**
CONTRACTOR & RIG # **Ross # 29**

LOG OF CASING STRING:

[illegible]

[illegible]

COMPANY REPRESENTATIVE

Branden Arnold

DATE **5/17/2011**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	18061	4301350450	UTE T RIBAL 6-16-4-1W	SEnw	16	4S	1W	DUCHESNE	5/19/2011	5/31/11
WELL 1 COMMENTS: GRRV											
B	99999	17400	4301350514	GREATER MON BUTTE G-22-8-17	NWNW	22	8S	17E	DUCHESNE	5/24/2011	5/31/11
GRRV BHL = SENW											
B	99999	17400	4301350517	GREATER MON BUTTE F-23-8-17	SENE	23	8S	17E	DUCHESNE	5/15/2011	5/31/11
GRRV BHL = Sec 23 SWNW											
B	99999	17400	4301350518	GREATER MON BUTTE O-23-8-17	SENE	23	8S	17E	DUCHESNE	5/16/2011	5/31/11
GRRV BHL = Sec 23 NWSW											
B	99999	17400	4301350652	GMBU W-2-9-15	SESW	2	9S	15E	DUCHESNE	5/13/2011	5/31/11
GRRV BHL = SWSE											
A	99999	18062	4304751233	FEDERAL 4-24-6-20	NWNW	24	6S	20E	UINTAH	5/24/2011	5/31/11
GRRV											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

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Signature Jentri Park
Production Clerk 05/31/11

NOTE: Use COMMENT section to explain why each Action Code was selected.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: UTAH STATE ML-43538
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: GMBU W-2-9-15
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: , 2, T9S, R15E		9. API NUMBER: 4301350652
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/10/2011			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 6/10/2011, attached is a daily completion status report.

NAME (PLEASE PRINT) Jennifer Peatross	TITLE Production Technician
SIGNATURE 	DATE 06/16/2011

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Daily Activity Report**Format For Sundry****GMBU W-2-9-15****4/1/2011 To 8/30/2011****6/2/2011 Day: 1****Completion**

Rigless on 6/2/2011 - Run CBL & shoot first stage. - NU 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6260' cement top @ 106'. Perforate CP5/CP3 sds as shown in perforation report. 150 BWTR. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$16,765

6/6/2011 Day: 2**Completion**

Rigless on 6/6/2011 - Frac & flow well. - RU The Perforators wireline. Set CBP & perf CP1/CP.5 sds as shown in perforation report. RU BJ Services. Frac CP1/CP.5 sds as shown in stimulation report. 1236 BWTR. - RU The Perforators wireline. Set CBP & perf LODC sds as shown in perforation report. RU BJ Services. Frac LODC sds as shown in stimulation report. 1523 BWTR. - RU The Perforators wireline. Set CBP & perf D3/D1 sds as shown in perforation report. RU BJ Services. Frac D3/D1 sds as shown in stimulation report. 1991 BWTR. - RU BJ Services. Frac CP5/CP3 sds as shown in stimulation report. 692 BWTR. - RU The Perforators wireline. Set CBP & perf PB10 sds as shown in perforation report. RU BJ Services. Frac PB10 sds as shown in stimulation report. 2421 BWTR. - RU The Perforators wireline. Set CBP & perf GB4 sds as shown in perforation report. RU BJ Services. Frac GB4 sds as shown in stimulation report. 2802 BWTR. RD BJ Services & The Perforators wireline. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 2.5 hrs & died. Recovered 275 bbls. 2527 BWTR. SWIFN.

Daily Cost: \$0**Cumulative Cost:** \$166,271

6/8/2011 Day: 3**Completion**

WWS #1 on 6/8/2011 - MIRU WWS #1. ND Cameron BOP. NU Schaeffer BOP. RIH w/ 4 3/4" chomp bit & tbg. to 4240'. SWIFN. - MIRU WWS #1. 650 psi on well. Bleed off well. Recovered 20 bbls. ND Cameron BOP. NU Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & 135 new 2 7/8" tbg. from pipe racks (tallying & drifting). RU pump. Circulate well clean. SWIFN. 2507 BWTR.

Daily Cost: \$0**Cumulative Cost:** \$208,081

6/9/2011 Day: 4**Completion**

WWS #1 on 6/9/2011 - DU CBPs. C/O to PBTD. - Csg. @ 300 psi, tbg. @ 300 psi. Bleed off well. Cont. RIH w/ tbg. Tag fill @ 4262'. RU powerswivel. C/O to CBP @ 4340'. DU CBP in 35 min. Cont. RIH w/ tbg. Tag fill @ 4630'. C/O to CBP @ 4680'. DU CBP in 30 min. Cont. RIH w/ tbg. Tag CBP @ 5050'. DU CBP in 29 min. Cont. RIH w/ tbg. Tag CBP @ 5520'. DU CBP in 48 min. Cont. RIH w/ tbg. Tag CBP @ 5850'. DU CBP in 83 min. Cont. RIH w/ tbg. Tag fill @ 6144'. C/O to PBTD @ 6297'. Circulate well clean. Pull up to 6207'. SWIFN. 2367 BWTR.

Daily Cost: \$0**Cumulative Cost:** \$214,811

6/10/2011 Day: 5**Completion**

WWS #1 on 6/10/2011 - Swab well. Round trip tbg. ND BOP. Set TAC. NU wellhead. - Csg. @ 350 psi, tbg. @ 350 psi. Bleed off well. Recovered 40 bbls. RIH w/ swab. SFL @ surface. Made 12 runs. Recovered 175 bbls. Trace of oil. No show of sand. EFL @ 300'. RD swab. RIH w/ tbg. Tag PBTD @ 6297' (no new fill). Circulate well clean. LD extra tbg. POOH w/ tbg. LD BHA. RIH w/ production string. ND BOP. Set TAC @ 6031' w/ 18,000# tension. NU wellhead. X-over for rods. SWIFN. 2157 BWTR.

Daily Cost: \$0**Cumulative Cost:** \$221,264

6/14/2011 Day: 6**Completion**

WWS #1 on 6/14/2011 - RIH w/ rods. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. RD. PWOP @ 12:00 p.m. 144" stroke length, 5 spm. Final Report. 2217 BWTR. - Csg. @ 400 psi, tbg. @ 150 psi. Bleed off tbg. Flush tbg. w/ 60 bbls water. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" x 20' x 24' RHAC rod pump & rod string. Seat pump. RU pumping unit. Hang off rods. Stroke test to 800 psi. Good pump action. RD. PWOP @ 12:00 p.m. 144" stroke length, 5 spm. Final Report. 2217 BWTR. **Finalized**

Daily Cost: \$0**Cumulative Cost:** \$256,397

Pertinent Files: [Go to File List](#)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

2. Name of Operator
NEWFIELD EXPLORATION COMPANY

3. Address
1401 17TH ST. SUITE 1000 DENVER, CO 80202

3a. Phone No. (include area code)
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface 546' FSL & 2035' FWL (SE/SW) SEC. 2, T9S, R15E (ML-43538)
At top prod. interval reported below 265' FSL & 2456' FWL (SE/SW) SEC. 2, T9S, R15E (ML-43538)
At total depth 103' FSL & 2592' FEL (SW/SE) SEC. 2, T9S, R15E (ML-43538)

5. Lease Serial No.
ML-43538

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
Greater Monument Butte

8. Lease Name and Well No.
Greater Monument Butte W-2-9-15

9. AFI Well No.
43-013-50652

10. Field and Pool or Exploratory
MONUMENT BUTTE

11. Sec., T., R., M., on Block and
Survey or Area
SEC. 2, T9S, R15E

12. County or Parish
DUCHESENE

13. State
UT

14. Date Spudded
05/13/2011

15. Date T.D. Reached
05/26/2011

16. Date Completed
☐ D & A ☒ Ready to Prod. 06/10/2011

17. Elevations (DF, RKB, RT, GL)*
6053' GL 6065' KB

18. Total Depth: MD 6340'
TVD 6284'

19. Plug Back T.D.: MD 6297'
TVD 6241

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	390'		CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6339'		275 PRIMLITE		106'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 6129'	TA @ 6031'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	4270'	6069'	4270-6069'	.36"	180	
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4270-6069'	Frac w/ 350115#s 20/40 sand in 2203 bbls of Lightning 17 fluid in 6 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/10/11	6/21/11	24	→	25	7	15			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	4270'	6069'		GARDEN GULCH MRK GARDEN GULCH 1	3765' 4002'
				GARDEN GULCH 2 POINT 3	4114' 4377'
				X MRKR Y MRKR	4649' 4686'
				DOUGLAS CREEK MRK BI CARBONATE MRK	4796' 5043'
				B LIMESTON MRK CASTLE PEAK	5148' 5705'
				BASAL CARBONATE WASATCH	6139' 6274'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Jennifer PeatrossTitle Production TechnicianSignature Date 07/12/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NEWFIELD



NEWFIELD EXPLORATION

USGS Myton SW (UT)

SECTION 2 T9, R15

W-2-9-15

Wellbore #1

Design: Actual

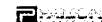
Standard Survey Report

26 May, 2011



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9, R15
Well: W-2-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well W-2-9-15
TVD Reference: W-2-9-15 @ 6065.0ft (Newfield Rig #2)
MD Reference: W-2-9-15 @ 6065.0ft (Newfield Rig #2)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: Utah Central Zone
System Datum: Mean Sea Level

Site SECTION 2 T9, R15

Site Position:
From: Lat/Long
Position Uncertainty: 0.0 ft
Northing: 7,191,145.41 ft
Easting: 2,005,088.49 ft
Slot Radius: "
Latitude: 40° 3' 15.350 N
Longitude: 110° 11' 49.770 W
Grid Convergence: 0.83 °

Well W-2-9-15, SHL LAT: 40 03 14.99 LONG: -110 12 05.80

Well Position +N/-S 0.0 ft Northing: 7,191,090.85 ft Latitude: 40° 3' 14.990 N
+E/-W 0.0 ft Easting: 2,003,842.75 ft Longitude: 110° 12' 5.800 W
Position Uncertainty 0.0 ft **Wellhead Elevation:** 6,065.0 ft **Ground Level:** 6,053.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/03/15	11.40	65.78	52,276

Design Actual

Audit Notes:

Version: 1.0 **Phase:** ACTUAL **Tie On Depth:** 0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	124.09

Survey Program Date: 2011/05/26

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
423.0	6,340.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
423.0	0.57	77.76	423.0	0.4	2.1	1.5	0.13	0.13	0.00
454.0	0.48	77.45	454.0	0.5	2.3	1.6	0.29	-0.29	-1.00
484.0	0.50	78.70	484.0	0.6	2.6	1.8	0.08	0.07	4.17
515.0	0.83	94.98	515.0	0.6	2.9	2.1	1.22	1.06	52.52
545.0	0.88	94.46	545.0	0.5	3.4	2.5	0.17	0.17	-1.73
576.0	1.01	102.98	576.0	0.5	3.9	3.0	0.62	0.42	27.48
607.0	1.27	103.51	607.0	0.3	4.5	3.5	0.84	0.84	1.71
638.0	1.50	109.60	638.0	0.1	5.2	4.3	0.88	0.74	19.65
668.0	1.80	115.90	668.0	-0.2	6.0	5.1	1.17	1.00	21.00
698.0	1.90	122.00	697.9	-0.7	6.8	6.1	0.74	0.33	20.33
729.0	2.20	126.30	728.9	-1.3	7.8	7.2	1.09	0.97	13.87
760.0	2.40	125.90	759.9	-2.1	8.8	8.4	0.65	0.65	-1.29

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9, R15
Well: W-2-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well W-2-9-15
TVD Reference: W-2-9-15 @ 6065.0ft (Newfield Rig #2)
MD Reference: W-2-9-15 @ 6065.0ft (Newfield Rig #2)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
790.0	2.70	122.90	789.9	-2.8	9.9	9.8	1.09	1.00	-10.00
821.0	3.00	122.40	820.8	-3.7	11.2	11.3	0.97	0.97	-1.61
851.0	3.50	122.00	850.8	-4.6	12.6	13.0	1.67	1.67	-1.33
883.0	3.80	121.50	882.7	-5.6	14.3	15.0	0.94	0.94	-1.56
915.0	4.40	121.30	914.6	-6.8	16.3	17.3	1.88	1.88	-0.63
947.0	4.90	122.30	946.5	-8.2	18.5	19.9	1.58	1.56	3.13
978.0	5.20	123.90	977.4	-9.7	20.8	22.6	1.07	0.97	5.16
1,010.0	5.60	126.20	1,009.3	-11.4	23.2	25.6	1.42	1.25	7.19
1,042.0	6.20	126.70	1,041.1	-13.4	25.9	28.9	1.88	1.88	1.56
1,074.0	6.80	125.70	1,072.9	-15.5	28.8	32.6	1.91	1.88	-3.13
1,105.0	7.18	125.31	1,103.7	-17.7	31.9	36.3	1.24	1.23	-1.26
1,137.0	7.60	125.57	1,135.4	-20.1	35.2	40.4	1.32	1.31	0.81
1,169.0	7.80	126.20	1,167.1	-22.6	38.7	44.7	0.68	0.63	1.97
1,200.0	7.95	126.58	1,197.8	-25.1	42.1	49.0	0.51	0.48	1.23
1,232.0	8.22	125.57	1,229.5	-27.8	45.8	53.5	0.95	0.84	-3.16
1,263.0	8.26	124.87	1,260.2	-30.3	49.4	57.9	0.35	0.13	-2.26
1,295.0	8.30	124.10	1,291.8	-32.9	53.2	62.5	0.37	0.13	-2.41
1,327.0	8.10	123.40	1,323.5	-35.5	57.0	67.1	0.70	-0.63	-2.19
1,358.0	8.17	123.20	1,354.2	-37.9	60.7	71.5	0.24	0.23	-0.65
1,390.0	8.39	123.20	1,385.9	-40.4	64.5	76.1	0.69	0.69	0.00
1,422.0	8.61	123.72	1,417.5	-43.0	68.5	80.8	0.73	0.69	1.63
1,453.0	8.61	124.60	1,448.2	-45.6	72.3	85.4	0.42	0.00	2.84
1,485.0	8.53	124.21	1,479.8	-48.3	76.2	90.2	0.31	-0.25	-1.22
1,517.0	8.57	124.08	1,511.5	-51.0	80.2	95.0	0.14	0.13	-0.41
1,548.0	8.44	124.08	1,542.1	-53.6	84.0	99.6	0.42	-0.42	0.00
1,580.0	8.44	123.72	1,573.8	-56.2	87.9	104.3	0.17	0.00	-1.13
1,612.0	8.44	124.03	1,605.4	-58.8	91.8	109.0	0.14	0.00	0.97
1,644.0	8.31	123.86	1,637.1	-61.4	95.6	113.6	0.41	-0.41	-0.53
1,675.0	8.30	124.00	1,667.8	-63.9	99.3	118.1	0.07	-0.03	0.45
1,707.0	8.10	123.60	1,699.4	-66.4	103.1	122.7	0.65	-0.63	-1.25
1,739.0	7.93	123.70	1,731.1	-68.9	106.9	127.1	0.53	-0.53	0.31
1,770.0	7.60	124.00	1,761.8	-71.2	110.3	131.3	1.07	-1.06	0.97
1,802.0	7.30	124.00	1,793.6	-73.6	113.8	135.5	0.94	-0.94	0.00
1,834.0	7.30	124.70	1,825.3	-75.9	117.1	139.5	0.28	0.00	2.19
1,865.0	7.60	123.70	1,856.0	-78.1	120.5	143.5	1.05	0.97	-3.23
1,897.0	7.80	122.80	1,887.7	-80.5	124.0	147.8	0.73	0.63	-2.81
1,929.0	7.80	123.00	1,919.5	-82.8	127.7	152.2	0.08	0.00	0.63
1,960.0	7.70	122.40	1,950.2	-85.1	131.2	156.3	0.41	-0.32	-1.94
1,992.0	7.70	123.10	1,981.9	-87.4	134.8	160.6	0.29	0.00	2.19
2,024.0	7.90	124.50	2,013.6	-89.8	138.4	165.0	0.86	0.63	4.38
2,055.0	8.20	124.90	2,044.3	-92.3	142.0	169.3	0.98	0.97	1.29
2,087.0	8.30	126.20	2,075.9	-95.0	145.7	173.9	0.66	0.31	4.06
2,118.0	8.40	126.70	2,106.6	-97.6	149.3	178.4	0.40	0.32	1.61
2,150.0	8.70	125.10	2,138.3	-100.4	153.2	183.2	1.20	0.94	-5.00
2,182.0	8.96	124.08	2,169.9	-103.2	157.2	188.1	0.95	0.81	-3.19
2,213.0	9.00	121.77	2,200.5	-105.8	161.3	192.9	1.17	0.13	-7.45
2,245.0	8.96	119.51	2,232.1	-108.4	165.6	197.9	1.11	-0.13	-7.06
2,277.0	9.01	118.36	2,263.7	-110.8	170.0	202.9	0.58	0.16	-3.59
2,309.0	9.27	118.98	2,295.3	-113.2	174.4	207.9	0.87	0.81	1.94
2,340.0	9.10	121.61	2,325.9	-115.7	178.7	212.9	1.46	-0.55	8.48
2,372.0	8.96	122.71	2,357.5	-118.4	183.0	217.9	0.69	-0.44	3.44
2,404.0	8.83	124.34	2,389.1	-121.1	187.1	222.8	0.89	-0.41	5.09
2,435.0	8.66	123.02	2,419.8	-123.8	191.0	227.5	0.85	-0.55	-4.26
2,467.0	8.57	122.76	2,451.4	-126.4	195.0	232.3	0.31	-0.28	-0.81



PayZone Directional Services, LLC.

Survey Report



Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9, R15
Well: W-2-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well W-2-9-15
TVD Reference: W-2-9-15 @ 6065.0ft (Newfield Rig #2)
MD Reference: W-2-9-15 @ 6065.0ft (Newfield Rig #2)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,499.0	8.57	123.28	2,483.1	-129.0	199.0	237.1	0.24	0.00	1.63
2,531.0	8.70	124.47	2,514.7	-131.6	203.0	241.9	0.69	0.41	3.72
2,562.0	8.31	127.59	2,545.4	-134.3	206.7	246.5	1.95	-1.26	10.06
2,594.0	8.17	128.03	2,577.0	-137.1	210.3	251.1	0.48	-0.44	1.38
2,626.0	8.04	127.24	2,608.7	-139.9	213.9	255.6	0.53	-0.41	-2.47
2,657.0	8.17	126.01	2,639.4	-142.5	217.4	259.9	0.70	0.42	-3.97
2,689.0	8.39	125.88	2,671.1	-145.2	221.2	264.5	0.69	0.69	-0.41
2,720.0	8.66	125.48	2,701.7	-147.9	224.9	269.1	0.89	0.87	-1.29
2,752.0	8.70	126.40	2,733.3	-150.7	228.8	274.0	0.45	0.13	2.88
2,784.0	8.70	127.50	2,765.0	-153.6	232.7	278.8	0.52	0.00	3.44
2,816.0	8.70	127.68	2,796.6	-156.6	236.5	283.6	0.09	0.00	0.56
2,847.0	8.61	126.36	2,827.3	-159.4	240.2	288.3	0.70	-0.29	-4.26
2,879.0	9.00	126.50	2,858.9	-162.3	244.2	293.2	1.22	1.22	0.44
2,911.0	9.36	125.48	2,890.5	-165.3	248.3	298.3	1.23	1.13	-3.19
2,942.0	9.40	124.70	2,921.1	-168.2	252.4	303.3	0.43	0.13	-2.52
2,974.0	9.00	124.50	2,952.6	-171.1	256.6	308.4	1.25	-1.25	-0.63
3,006.0	8.60	124.56	2,984.3	-173.9	260.7	313.3	1.25	-1.25	0.19
3,037.0	8.40	125.13	3,014.9	-176.5	264.4	317.9	0.70	-0.65	1.84
3,069.0	8.40	125.70	3,046.6	-179.2	268.2	322.6	0.26	0.00	1.78
3,101.0	8.90	123.80	3,078.2	-182.0	272.2	327.4	1.80	1.56	-5.94
3,132.0	8.70	124.10	3,108.9	-184.6	276.1	332.2	0.66	-0.65	0.97
3,164.0	9.00	122.70	3,140.5	-187.3	280.2	337.1	1.15	0.94	-4.38
3,196.0	8.60	123.40	3,172.1	-190.0	284.4	342.0	1.29	-1.25	2.19
3,228.0	8.10	123.50	3,203.8	-192.5	288.2	346.6	1.56	-1.56	0.31
3,260.0	8.70	123.90	3,235.4	-195.1	292.1	351.3	1.88	1.88	1.25
3,292.0	9.10	124.80	3,267.0	-197.9	296.2	356.2	1.32	1.25	2.81
3,323.0	9.10	123.80	3,297.6	-200.7	300.3	361.1	0.51	0.00	-3.23
3,355.0	9.20	122.30	3,329.2	-203.5	304.5	366.2	0.81	0.31	-4.69
3,386.0	9.40	122.10	3,359.8	-206.1	308.8	371.2	0.65	0.65	-0.65
3,418.0	9.50	122.60	3,391.4	-208.9	313.2	376.5	0.40	0.31	1.56
3,450.0	9.60	122.60	3,422.9	-211.8	317.7	381.8	0.31	0.31	0.00
3,481.0	9.80	123.20	3,453.5	-214.6	322.1	387.0	0.72	0.65	1.94
3,545.0	9.60	124.30	3,516.6	-220.6	331.0	397.8	0.43	-0.31	1.72
3,576.0	9.50	123.80	3,547.2	-223.5	335.3	402.9	0.42	-0.32	-1.61
3,608.0	9.40	124.00	3,578.7	-226.4	339.6	408.2	0.33	-0.31	0.63
3,640.0	9.40	123.80	3,610.3	-229.4	344.0	413.4	0.10	0.00	-0.63
3,671.0	9.30	123.50	3,640.9	-232.1	348.2	418.5	0.36	-0.32	-0.97
3,703.0	9.20	123.50	3,672.5	-235.0	352.5	423.6	0.31	-0.31	0.00
3,734.0	9.00	123.90	3,703.1	-237.7	356.5	428.5	0.68	-0.65	1.29
3,766.0	8.70	124.10	3,734.7	-240.5	360.6	433.4	0.94	-0.94	0.63
3,798.0	8.50	123.50	3,766.3	-243.1	364.6	438.2	0.69	-0.63	-1.88
3,830.0	8.40	123.20	3,798.0	-245.7	368.5	442.9	0.34	-0.31	-0.94
3,861.0	8.40	123.20	3,828.7	-248.2	372.3	447.4	0.00	0.00	0.00
3,893.0	8.40	124.10	3,860.3	-250.8	376.2	452.1	0.41	0.00	2.81
3,925.0	8.30	123.80	3,892.0	-253.4	380.1	456.8	0.34	-0.31	-0.94
3,957.0	8.30	124.70	3,923.6	-256.0	383.9	461.4	0.41	0.00	2.81
3,989.0	8.20	125.00	3,955.3	-258.6	387.7	466.0	0.34	-0.31	0.94
4,021.0	8.30	124.00	3,987.0	-261.2	391.4	470.6	0.55	0.31	-3.13
4,052.0	8.30	123.40	4,017.7	-263.7	395.2	475.0	0.28	0.00	-1.94
4,084.0	8.30	123.30	4,049.3	-266.2	399.0	479.7	0.05	0.00	-0.31
4,116.0	8.30	122.90	4,081.0	-268.7	402.9	484.3	0.18	0.00	-1.25
4,147.0	8.20	123.80	4,111.7	-271.2	406.6	488.7	0.53	-0.32	2.90
4,179.0	8.20	123.50	4,143.3	-273.7	410.4	493.3	0.13	0.00	-0.94
4,211.0	8.00	124.40	4,175.0	-276.2	414.1	497.8	0.74	-0.63	2.81



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Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,243.0	7.80	123.80	4,206.7	-278.7	417.8	502.2	0.68	-0.63	-1.88
4,274.0	7.80	124.50	4,237.4	-281.1	421.3	506.4	0.31	0.00	2.26
4,306.0	7.70	125.00	4,269.1	-283.5	424.8	510.7	0.38	-0.31	1.56
4,338.0	7.50	126.40	4,300.9	-286.0	428.2	515.0	0.85	-0.63	4.38
4,369.0	7.60	125.00	4,331.6	-288.4	431.6	519.0	0.68	0.32	-4.52
4,401.0	7.40	124.30	4,363.3	-290.7	435.0	523.2	0.69	-0.63	-2.19
4,433.0	7.20	123.10	4,395.0	-293.0	438.4	527.3	0.79	-0.63	-3.75
4,464.0	7.20	122.90	4,425.8	-295.1	441.6	531.2	0.08	0.00	-0.65
4,496.0	7.40	121.80	4,457.5	-297.3	445.1	535.2	0.76	0.63	-3.44
4,527.0	7.80	121.35	4,488.3	-299.4	448.6	539.3	1.30	1.29	-1.45
4,559.0	8.00	121.00	4,520.0	-301.7	452.3	543.7	0.64	0.63	-1.09
4,591.0	7.90	123.00	4,551.7	-304.1	456.1	548.1	0.92	-0.31	6.25
4,622.0	7.90	124.80	4,582.4	-306.4	459.6	552.4	0.80	0.00	5.81
4,654.0	7.90	127.70	4,614.1	-309.0	463.2	556.8	1.25	0.00	9.06
4,686.0	7.90	129.00	4,645.8	-311.8	466.6	561.2	0.56	0.00	4.06
4,717.0	7.90	129.80	4,676.5	-314.5	469.9	565.4	0.35	0.00	2.58
4,749.0	8.00	130.00	4,708.2	-317.3	473.3	569.8	0.32	0.31	0.63
4,781.0	8.00	129.70	4,739.8	-320.2	476.7	574.2	0.13	0.00	-0.94
4,813.0	7.80	128.30	4,771.5	-322.9	480.1	578.6	0.87	-0.63	-4.38
4,844.0	7.90	124.60	4,802.3	-325.4	483.5	582.9	1.66	0.32	-11.94
4,876.0	8.30	121.30	4,833.9	-327.9	487.3	587.4	1.92	1.25	-10.31
4,908.0	8.60	121.50	4,865.6	-330.3	491.3	592.1	0.94	0.94	0.63
4,940.0	8.70	122.10	4,897.2	-332.9	495.4	596.9	0.42	0.31	1.88
4,971.0	8.60	122.10	4,927.9	-335.4	499.4	601.5	0.32	-0.32	0.00
5,003.0	8.60	122.70	4,959.5	-337.9	503.4	606.3	0.28	0.00	1.88
5,035.0	8.50	122.10	4,991.2	-340.5	507.4	611.1	0.42	-0.31	-1.88
5,066.0	8.30	120.80	5,021.8	-342.8	511.3	615.6	0.89	-0.65	-4.19
5,098.0	8.40	120.30	5,053.5	-345.2	515.3	620.2	0.39	0.31	-1.56
5,130.0	8.60	120.60	5,085.1	-347.6	519.4	624.9	0.64	0.63	0.94
5,162.0	8.70	122.10	5,116.8	-350.1	523.5	629.8	0.77	0.31	4.69
5,193.0	9.00	121.80	5,147.4	-352.6	527.5	634.5	0.98	0.97	-0.97
5,225.0	9.10	121.30	5,179.0	-355.2	531.8	639.5	0.40	0.31	-1.56
5,257.0	9.20	121.10	5,210.6	-357.9	536.2	644.6	0.33	0.31	-0.63
5,289.0	9.40	122.80	5,242.2	-360.6	540.6	649.8	1.06	0.63	5.31
5,320.0	9.20	123.80	5,272.8	-363.4	544.7	654.8	0.83	-0.65	3.23
5,352.0	8.90	125.70	5,304.4	-366.2	548.9	659.8	1.32	-0.94	5.94
5,384.0	8.80	125.50	5,336.0	-369.1	552.9	664.8	0.33	-0.31	-0.63
5,415.0	8.70	124.70	5,366.6	-371.8	556.7	669.5	0.51	-0.32	-2.58
5,447.0	9.10	124.90	5,398.2	-374.6	560.8	674.4	1.25	1.25	0.63
5,479.0	9.62	125.09	5,429.8	-377.6	565.1	679.6	1.63	1.63	0.59
5,511.0	9.60	126.30	5,461.4	-380.7	569.4	685.0	0.63	-0.06	3.78
5,542.0	9.20	126.80	5,491.9	-383.8	573.5	690.0	1.32	-1.29	1.61
5,574.0	8.90	127.60	5,523.5	-386.8	577.5	695.1	1.02	-0.94	2.50
5,606.0	8.35	126.54	5,555.2	-389.7	581.3	699.8	1.79	-1.72	-3.31
5,637.0	8.00	124.00	5,585.9	-392.2	584.9	704.2	1.62	-1.13	-8.19
5,669.0	7.73	122.00	5,617.6	-394.6	588.6	708.6	1.20	-0.84	-6.25
5,701.0	7.73	121.83	5,649.3	-396.9	592.2	712.9	0.07	0.00	-0.53
5,732.0	7.80	123.90	5,680.0	-399.2	595.8	717.1	0.93	0.23	6.68
5,764.0	7.90	126.10	5,711.7	-401.7	599.3	721.5	0.99	0.31	6.88
5,796.0	8.10	127.10	5,743.4	-404.3	602.9	725.9	0.76	0.63	3.13
5,828.0	7.82	126.93	5,775.1	-407.0	606.4	730.4	0.88	-0.88	-0.53
5,859.0	7.60	125.97	5,805.8	-409.5	609.8	734.5	0.82	-0.71	-3.10
5,891.0	7.43	125.26	5,837.5	-411.9	613.2	738.7	0.61	-0.53	-2.22
5,922.0	7.34	125.70	5,868.3	-414.2	616.4	742.7	0.34	-0.29	1.42

Company: NEWFIELD EXPLORATION
Project: USGS Myton SW (UT)
Site: SECTION 2 T9, R15
Well: W-2-9-15
Wellbore: Wellbore #1
Design: Actual

Local Co-ordinate Reference: Well W-2-9-15
TVD Reference: W-2-9-15 @ 6065.0ft (Newfield Rig #2)
MD Reference: W-2-9-15 @ 6065.0ft (Newfield Rig #2)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,954.0	7.31	125.10	5,900.0	-416.6	619.8	746.8	0.26	-0.09	-1.88
5,986.0	7.16	126.14	5,931.7	-418.9	623.0	750.8	0.62	-0.47	3.25
6,017.0	6.90	127.80	5,962.5	-421.2	626.1	754.6	1.06	-0.84	5.35
6,048.0	6.70	128.60	5,993.3	-423.5	629.0	758.2	0.71	-0.65	2.58
6,079.0	6.50	128.70	6,024.1	-425.7	631.7	761.8	0.65	-0.65	0.32
6,111.0	6.40	129.20	6,055.9	-428.0	634.5	765.4	0.36	-0.31	1.56
6,144.0	6.20	129.10	6,088.7	-430.3	637.3	769.0	0.61	-0.61	-0.30
6,176.0	5.80	129.10	6,120.5	-432.4	639.9	772.3	1.25	-1.25	0.00
6,261.9	5.80	129.10	6,206.0	-437.8	646.7	781.0	0.00	0.00	0.00
W-2-9-15 S Lease Line									
6,340.0	5.80	129.10	6,283.7	-442.8	652.8	788.8	0.00	0.00	0.00
W-2-9-15 S BHL									

Wellbore Targets**Target Name**

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
W-2-9-15 S Lease Line	0.00	0.00	6,285.0	0.0	0.0	7,191,090.85	2,003,842.75	40° 3' 14.990 N	110° 12' 5.800 W
- actual wellpath misses by 784.9ft at 6261.9ft MD (6206.0 TVD, -437.8 N, 646.7 E)									
- Polygon									
Point 1			6,285.0	-537.0	845.7	7,190,553.86	2,004,688.45		
Point 2			6,285.0	-537.0	445.7	7,190,553.86	2,004,288.45		
Point 3			6,285.0	-537.0	845.7	7,190,553.86	2,004,688.45		
W-2-9-15 S BHL	0.00	0.00	6,285.0	-437.0	645.7	7,190,653.87	2,004,488.42	40° 3' 10.579 N	110° 11' 57.579 W
- actual wellpath misses by 9.3ft at 6340.0ft MD (6283.7 TVD, -442.8 N, 652.8 E)									
- Circle (radius 75.0)									

Checked By: _____ Approved By: _____ Date: _____

NEWFIELD



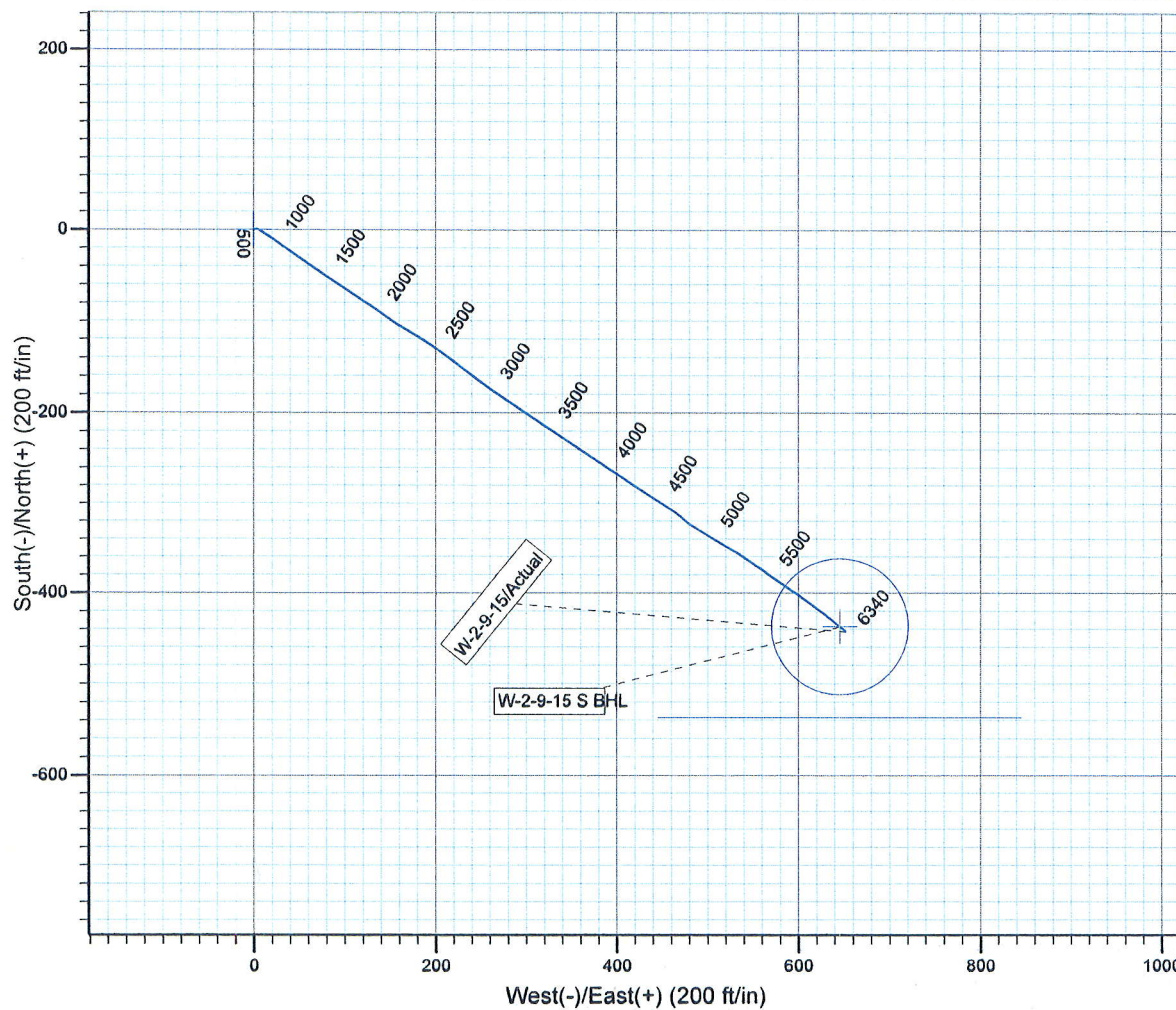
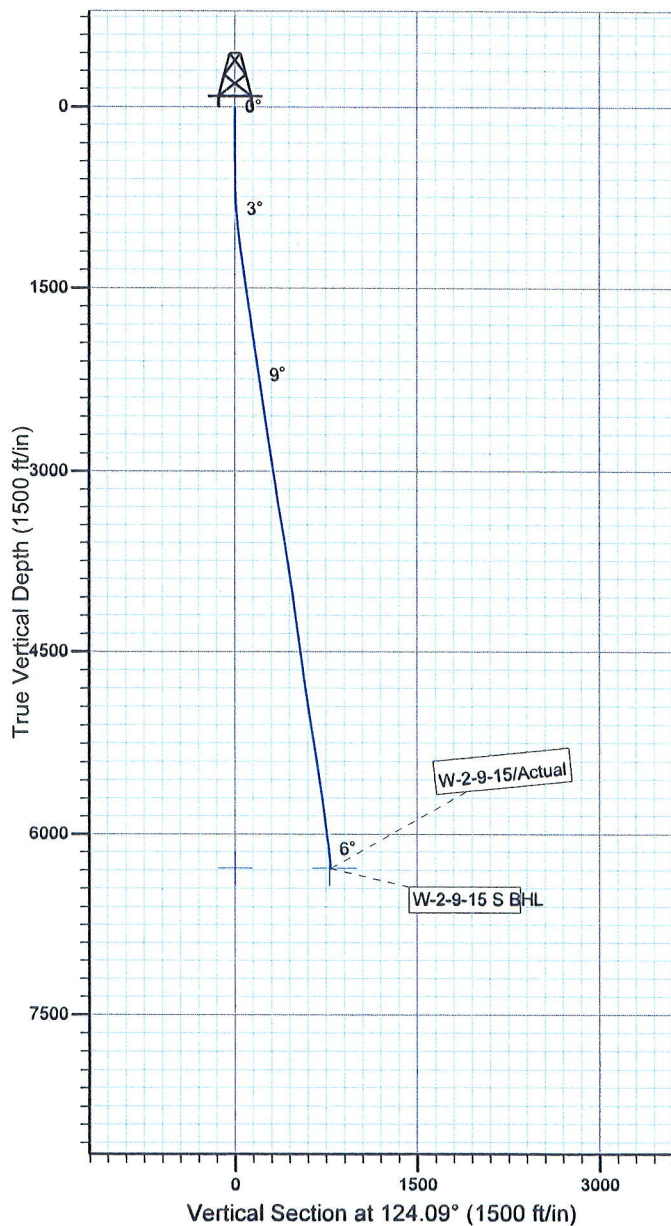
Project: USGS Myton SW (UT)
 Site: SECTION 2 T9, R15
 Well: W-2-9-15
 Wellbore: Wellbore #1
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to Grid North
 True North: -0.83°
 Magnetic North: 10.57°

Magnetic Field
 Strength: 52276.1snT
 Dip Angle: 65.78°
 Date: 2011/03/15
 Model: IGRF2010



Design: Actual (W-2-9-15/Wellbore #1)



Created By: Sarah Webb Date: 18:45, May 26 2011
 THIS SURVEY IS CORRECT TO THE BEST OF MY
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report**Format For Sundry****GMBU W-2-9-15****3/1/2011 To 7/30/2011****GMBU W-2-9-15****Waiting on Cement****Date:** 5/17/2011

Ross #29 at 390. Days Since Spud - On 5/13/11 Ross #29 spud and drilled 390' of 12 1/4" hole, P/U and run 9 jts of 8 5/8" casing set - 393.32'KB. On 5/17/11 cement w/BJ w/160 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 - yield. Returned 8bbls to pit, bump plug to 550psi, BLM and State were notified of spud via email.

Daily Cost: \$0**Cumulative Cost:** \$61,660

GMBU W-2-9-15**Rigging down****Date:** 5/21/2011

NDSI #2 at 390. 0 Days Since Spud - E-Mail State & BLM On 5/20/11 Notify Of Rig Move 5/21/11 @ 7:00 AM And BOPE Test @ 2:00 PM - 5/21/11 - Rig Down Prepair for Rig Move To GMBU W-2-9-15

Daily Cost: \$0**Cumulative Cost:** \$66,760

GMBU W-2-9-15**Drill 7 7/8" hole with fresh water****Date:** 5/22/2011

NDSI #2 at 1124. 1 Days Since Spud - Change Out Brakes On Drawworks. - 1500 psi for 30 mins, Everything Tested OK. - Safety Valve,Pipe & Blind Rams,Choke Line & Manfold. To 2000 psi for 10 mins,Test Surface Casing To - Accept Rig On 5/21/11 @ 2:00 PM,Held Safety Meeting with B&C Quick Test,Test Upper Kelly Valve, - MIRU Set Surface With Marcus Liddell Trucking,(1 mile Rig Move From K-2-9-15) - Rev,Fixed Mud Motor,1x31' NM Monel DC,1x3.50'Single Gap Sub,1x2,11' Index Sub,1x5.28' NM Pong DC, 26 - Jts 4 1/2" HWDP, Tagged @ 353' - Drill 7 7/8 Hole With fresh Water from 353' to 1124',WOB 20,000 lbs,TRPM 160,GPM 400,AVG ROP 102.8 - fph. - N h2s Reported Last 24 Hrs. - Last survey @ 947' MD,Angle Deg. 4.90,Drift Dir. 122.30,TVD 946',Dogleg Severity. 1.58 - Held Prespud Meeting,P/U BHA as follows,Varel VM 616R 7 7/8" PDC Bit,Hunting 7/8 lobe,4.3 stage,.33

Daily Cost: \$0**Cumulative Cost:** \$121,426

GMBU W-2-9-15**Drill 7 7/8" hole with fresh water****Date:** 5/23/2011

NDSI #2 at 3883. 2 Days Since Spud - No H2s Reported Last 24 Hrs - Drill 7 7/8" Hole From 2012' To 3883',WOB 20,000 lbs,Trpm 160,GPM 400,AVG ROP 103.9 fph - Rig Service, Check Crown-A-Matic,Function Test Bop's,Held Bop Drill Hands In Place 1min 45 Sec. - Drill 7 7/8" Hole From 1124' To 2012',WOB 20,000 lbs,Trpm 160,GPM 400,AVG ROP 161.4 fph - Losing Fluid To Seepage Down Hole. Started Around 1772' , Mixing LCM Sweeps

Daily Cost: \$0**Cumulative Cost:** \$141,220

GMBU W-2-9-15**Drill 7 7/8" hole with fresh water****Date:** 5/24/2011

NDSI #2 at 5086. 3 Days Since Spud - Rig Service, Function Test Bop's,Check Crown-A-Matic - Drill 7 7/8" Hole From 3883' To 4516',WOB 18,000 bbls,TRPM 160,GPM 400,AVG ROP 84.4

fph - Drill 7 7/8" Hole From 4516' To 4548' WOB 18,000 bbls,TRPM 160,GPM 400,Avg ROP 32 fph - No H2s Reported Last 24 Hrs. - Drill 7 7/8" Hole From 4548' To 5086',WOB 18,000 bbls,TRPM 160,GPM 400, AVG ROP 45 fph - Work On Directional Equipment and Pason System (Knocked Out By Lightning)

Daily Cost: \$0

Cumulative Cost: \$162,142

GMBU W-2-9-15**Lay Down Drill Pipe/BHA**

Date: 5/25/2011

NDSI #2 at 6340. 4 Days Since Spud - L.D.D.P. - No H2s Reported Last 24 Hrs - Drill 7 7/8' Hole From 5086' To 5403',WOB 20,000 lbs,TRPM 160,GPM 400,AVG ROP 52.8 fph - Well Flowing 5 gal/Min @ 6011' - Rig Service,Function Test Bop's,Check Crown-A-Matic - Drill 7 7/8" Hole From 5403' To 6340' WOB 20,000 lbs,TRPM 160,GPM 400,AVG ROP 60.4 fph - Circ & Cond. Hole For Laydown & Logs

Daily Cost: \$0

Cumulative Cost: \$203,597

GMBU W-2-9-15**Wait on Completion**

Date: 5/26/2011

NDSI #2 at 6340. 5 Days Since Spud - Shoe @ 6339',Float Collar @ 6297' 4jts Will be trasferred to next well (L-36-8-17) - Held Safety Meeting W/Casing Crew,R/U Marcus Liddell Crew Run 153 jts 5.5",J-55,15.5# LT&C Casing, - Held Safety Meeting W/Tester,R/U B&C Quick Test Test 5 1/2" Pipe Rams to 2000 psi. Tested OK. - Run PSI New Density Log. - Held Safety Meeting W/Loggers,R/U PSI Run Triple Combo From Loggers TD 6340' To Surface Casing P/U - LDDP To 4000' - Pump 260bbls 10# Brine - LDDP & BHA - R/U BJ Services Circ Casing.Set Mandrill. - Held Safety Meeting With BJ Services.Test Lines To 3500 psi.Pump 275 sks of lead cement @ 11 PPG & - Yield. (50:50:2+3%KCL+0.5%EC- 1+.25#CF+.05#CF+.05#SF+.3SMS+FP-6L) Displaced With 150 bbls.Returned - 40 bbls Cement to Pit.Bumped Plug To 2334psi. - Nipple Down Bop's - Clean Mud Pits - Released Rig @ 6:00 AM 5/26/11 Don Bastian - 3.53 Yield (PL-II +3%KCL+ 5#CSE+0.5#CF+5#KOL+.5SMS+FP+SF) Then 400 sks tail Cement @ 14.4ppg & 1.24

Finalized

Daily Cost: \$0

Cumulative Cost: \$361,506

Pertinent Files: [Go to File List](#)